

**GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF GENERAL SERVICES**

**DESIGN-BUILD SERVICES  
WATKINS ELEMENTARY SCHOOL**

**Solicitation #: DCAM-16-CS-0032**

**Amendment No. 3  
Issued: November 3, 2015**

---

This Amendment Number 03 is issued by e-mail on November 3, 2015. Except as modified hereby, the Request for Proposals ("RFP") remains unmodified.

**Item #1:**

**Hazardous Material Survey:** A copy of the hazardous material survey is attached.

**Item #2:**

**Form of Contract:** Attached to this Amendment is the Form of Contract. THE TERMS OF THE FORM OF CONTRACT SHALL PREVAIL OVER THE RFP. TO THE EXTENT THERE IS AN INCONSISTENCY BETWEEN THE FORM OF CONTRACT ISSUED HERewith AND THE RFP, THE FORM OF CONTRACT SHALL GOVERN.

**Item #3:**

**The bid date is hereby changed.** Proposals are due by **November 10, 2015 at 2:00 pm local time.** Proposals that are hand-delivered should be delivered to the attention of: Alicia Norris, Contract Specialist, at **Frank D. Reeves Center, 2000 14<sup>th</sup> Street, NW, 8<sup>th</sup> floor, Washington, DC 20009.**

- End of Amendment No. 3 -



January 13, 2015

Mr. Sean O'Donnell  
Perkins Eastman DC, PLLC  
1250 23<sup>rd</sup> Street  
Suite 475  
Washington, DC 20037

**Re: Hazardous Materials Survey  
Watkins Elementary School  
420 12th St  
SE Washington, DC 20003**

Dear Mr. O'Donnell:

Apex Companies, LLC (Apex) was contracted to perform a limited asbestos, lead-based paint, and universal waste survey at Watkins Elementary School. Apex visited the site on December 29, 2014 through January 1, 2015 to perform the inspection and collect samples per Apex's proposal dated December 23, 2014.

## **1.0 ASBESTOS INSPECTION**

Materials that were considered suspect asbestos containing (ACM) were identified, and the number of samples to be collected was determined using AHERA (40 Code of Federal Regulations (CFR) Part 763) protocols. As defined by AHERA policy, suspect materials include the following building material types:

1. Surfacing materials - including spray-applied fire proofing or trowel-applied wall and/or ceiling plaster;
2. Thermal System Insulation (TSI) - including tank insulation, pipe insulation, and mudded pipe elbows; and
3. Miscellaneous materials - including ceiling tile, floor tiles and mastics, gaskets (if accessible), fire doors, drywall (gypsum board) and joint (spackling) compound.

Suspect ACMs that are homogeneous in nature (i.e., uniform in color and texture) were identified and touched to determine friability (ability to be reduced to powder by hand pressure), sampled by removing a small piece that was placed in a labeled sample bag, and given a specific identifier for reference, e.g. B-01. For a given homogeneous area, one or more samples were collected in a randomly distributed manner in accordance with AHERA provisions as referenced in the OSHA asbestos in construction standard [29 CFR 1926.1101].

Every reasonable attempt was made to locate ACM. However, areas that are inaccessible can only be addressed through extrapolation of conditions in accessible building space and review of building plans, specifications, or other building documents provided to Apex. Inaccessible is defined as areas of the building that could not be tested (sampled) without destruction of the structure or a portion of the structure.

Changes in the condition of the site may occur with time due to either natural processes or human activities. The findings presented in this report are based on site conditions existing at the time of the inspection. Apex cannot be responsible for any errors or omissions in this assessment resulting from incomplete or inaccurate disclosures.

Apex's representatives, Mr. Matt Huber and Mr. Brett Spencer, collected a total of 141 samples from suspect ACM inside Watkins Elementary School. All samples were sent to EMSL Analytical (EMSL), a National Voluntary Laboratory Accredited Program (NVLAP Certification No. 200293-0) accredited laboratory located in Cinnaminson, New Jersey. A summary of the samples collected and laboratory results are presented in the table below. No samples for the mudded elbows (ME-01, ME-02 and ME-03) were collected due to their friable nature and the fact that they were in good condition. EMSL's laboratory Certificate of Analysis and chain-of-custody documentation are presented in **Appendix A**. The photolog of ACM is presented in **Appendix B**.

**Table 1 – Summary of Suspect Asbestos Containing Materials Testing**

Description of Material Type	Friable (Yes/No)	Location	Sample Numbers	ACM	Estimated Quantity <sup>1,2</sup>
<b>Surfacing Materials</b>					
PL-01, Skim Coat	Yes	Throughout	B-124-Skim Coat, B-125-Skim Coat, B-126-Skim Coat, B-127-Skim Coat, B-128-Skim Coat, B-129-Skim Coat, B-130-Skim Coat	NAD	--
PL-01, Base Coat	Yes	Throughout	B-124-Base Coat, B-125-Base Coat, B-126-Base Coat, B-127-Base Coat, B-128-Base Coat, B-129-Base Coat, B-130-Base Coat	NAD	--
<b>Thermal System Insulation (TSI) Materials</b>					
TSI-01, Pipe Wrap	No	Incinerator Room	B-121, B-122, B-123	NAD	--
<b>ME-01, Mudded Elbows, 2" Lines</b>	Yes	<b>Throughout the Building</b>	<b>NA</b>	<b>Assumed Positive</b>	<b>~350</b>
<b>ME-02, Mudded Elbows, 4" Lines</b>	Yes	<b>Throughout the Building</b>	<b>NA</b>	<b>Assumed Positive</b>	<b>~20</b>
<b>ME-03, Mudded Elbows, 8" Lines</b>	Yes	<b>Throughout the Building</b>	<b>NA</b>	<b>Assumed Positive</b>	<b>~20</b>
<b>Miscellaneous Materials</b>					
FT-01 Floor Tile, 12"x12", white w/blue & pink	No	First Floor Hallway	B-01, B-03	NAD	--
FTM-01, Mastic associated with FT-01	No	First Floor Hallway	B-02, B-04	NAD	--
FT-02, 12"x12", red w/black	No	Phone Closet in Main Lobby	B-05, B-07	NAD	--
<b>FTM-02, Mastic associated with FT-02</b>	<b>No</b>	<b>Phone Closet in Main Lobby</b>	<b>B-06, B-08</b>	<b>3%, 2% Chrysotile</b>	<b>200 SF</b>
FT-03, 9"x9" Dark Red	No	Underneath FT-01 in Main Lobby	B-09, B-11	NAD	--
FTM-03, Mastic associated with FT-03	No	Underneath FT-01 in Main Lobby	B-10, B-12	NAD	--

Description of Material Type	Friable (Yes/No)	Location	Sample Numbers	ACM	Estimated Quantity <sup>1,2</sup>
FT-04, 9"x9", Light Red	No	Room 112, Hallway Adjacent to All Purpose Room	B-13, B-15	NAD	--
<b>FTM-04, Mastic associated with FT-04</b>	<b>No</b>	<b>Room 112, Hallway Adjacent to All Purpose Room</b>	<b>B-14, B-16</b>	<b>3%, 3% Chrysotile</b>	<b>600 SF</b>
FT-05, 9"x9" Green	No	Room 410, Room 314, All Purpose Room, First Floor Storage Closet	B-17, B-19	2%, 3% Chrysotile	1,000 SF
<b>FTM-05, Mastic associated with FT-05</b>	<b>No</b>	<b>Room 410, Room 314, All Purpose Room, First Floor Storage Closet</b>	<b>B-18, B-20</b>	<b>3%, 4% Chrysotile</b>	<b>1,000 SF</b>
FT-06, 9"x9" Gray	No	Room 315, Room 300, Room 302, Room 112, Exit Room Adjacent to Kitchen	B-21, B-23	3%, 3% Chrysotile	2,000 SF
<b>FTM-06, Mastic associated with FT-06</b>	<b>No</b>	<b>Room 315, Room 300, Room 302, Room 112, Exit Room Adjacent to Kitchen</b>	<b>B-22, B-24</b>	<b>3%, 5% Chrysotile</b>	<b>2,000 SF</b>
FT-07, 12"x12" Teal w/Green	No	All Purpose Room	B-25, B-27	NAD	--
FTM-07, Mastic Associated with FT-07	No	All Purpose Room	B-26, B-28	NAD	--
FT-08, 9"x9" Beige w/Brown	No	Room 112, Exit Room Adjacent to Stage	B-29, B-31	3%, 4% Chrysotile	500 SF
<b>FTM-08, Mastic Associated with FT-08</b>	<b>No</b>	<b>Room 112, Exit Room Adjacent to Stage</b>	<b>B-30, B-32</b>	<b>3%, 5% Chrysotile</b>	<b>500 SF</b>
FT-09, 12"x12" Orange	No	All Purpose Room	B-33, B-35	NAD	--
FTM-09, Mastic Associated with FT-09	No	All Purpose Room	B-34, B-36	NAD	--

Description of Material Type	Friable (Yes/No)	Location	Sample Numbers	ACM	Estimated Quantity <sup>1,2</sup>
FT-10, 9"x9" Red w/Yellow & White	No	Main Stairways, Boiler Room Stairway	B-37, B-39	4%, 7% Chrysotile	1,500 SF
FTM-10, Mastic Associated with FT-10	No	Main Stairways, Boiler Room Stairway	B-38, B-40	5%, 6% Chrysotile	1,500 SF
FT-11, 9"x9", White w/Red	No	Hallway Adjacent to All Purpose Room 112, Main Stairways	B-41, B-43	3%, 5% Chrysotile	3,000 SF
FTM-11, Mastic Associated with FT-11	No	Hallway Adjacent to All Purpose Room 112, Main Stairways	B-42, B-44	4%, 4% Chrysotile	3,000 SF
FT-12, 12"x12" Black	No	Boiler Room Stairway	B-45, B-47	NAD	--
FTM-12, Mastic Associated with FT-12	No	Boiler Room Stairway	B-46, B-48	3%, 4% Chrysotile	100 SF
FT-13, 12"x12" Red w/White	No	Stairway	B-49, B-51	NAD	--
FTM-13, Mastic Associated with FT-13	No	Main Stairways	B-50, B-52	5%, 3% Chrysotile	5,000 SF
FT-14, 12"x12" Gray w/Specks	No	First Floor Hallway	B-53, B-55	NAD	--
FTM-14, Mastic Associated with FT-14	No	First Floor Hallway	B-54, B-56	NAD	--
FT-15, 12"x12" Dark Red	No	Third Floor Hallway	B-57, B-59	NAD	--
FTM-15, Mastic Associated with FT-15	No	Third Floor Hallway	B-58, B-60	NAD	--
FT-16, 12"x12" Beige	No	Room 201	B-61, B-63	NAD	--
FTM-16, Mastic associated with FT-16	No	Room 201	B-62, B-64	NAD	--
FT-17, 12"x12" Blue Tile	No	Second Floor Hallway by Library	B-65, B-67	NAD	--
FTM-17, Mastic Associated with FT-17	No	Second Floor Hallway by Library	B-66, B-68	NAD	--
FT-18, 12"x12" Dark Blue	No	Second Floor Hallway by Library	B-69, B-71	NAD	--

Description of Material Type	Friable (Yes/No)	Location	Sample Numbers	ACM	Estimated Quantity <sup>1,2</sup>
FTM-18, Mastic Associated with FT-18	No	Second Floor Hallway by Library	B-70, B-72	NAD	--
FT-19, 12"x12" Yellow	No	Second Floor Hallway by Library	B-73, B-75	NAD	--
FTM-19, Mastic Associated with FT-19	No	Second Floor Hallway by Library	B-74, B-76	NAD	--
<b>FT-20, 9"x9" White w/Gray</b>	<b>No</b>	<b>Third Floor Multipurpose Room</b>	<b>B-77, B-79</b>	<b>3%, 3% Chrysotile</b>	<b>1,500 SF</b>
<b>FTM-20, Mastic Associated with FT-20</b>	<b>No</b>	<b>Third Floor Multipurpose Room</b>	<b>B-78, B-80</b>	<b>3%, 2%, Chrysotile</b>	<b>1,500 SF</b>
FT-21, 12"x12" White w/Blue Specks	No	Room 112	B-81, B-83	NAD	--
FTM-21, Mastic Associated with FT-21	No	Room 112	B-82, B-84	NAD	--
FT-22, 12"x12" Green w/ Black Specks	No	First Floor Storage Room	B-85, B-87	NAD	--
FTM-22, Mastic Associated with FT-22	No	First Floor Storage Room	B-86, B-88	NAD	--
FT-23, 12"x12" Dark Gray	No	First Floor Health Suite	B-89, B-91	NAD	--
FTM-23, Mastic Associated with FT-23	No	First Floor Health Suite	B-90, B-92	NAD	--
FT-24, 9"x9" Purple	No	Office Behind First Floor Copy Room	B-93, B-95	NAD	--
FTM-24, Mastic Associated with FT-24	No	Office Behind First Floor Copy Room	B-94-Yellow Mastic, B-96-Yellow Mastic	NAD	--
Leveling Compound	No	Office Behind First Floor Copy Room	B-94-Leveler, B-96-Leveler	NAD	--
<b>FT-25, 9"x9" Dark Red w/Streaks</b>	<b>No</b>	<b>Office Adjacent to Health Suite</b>	<b>B-97, B-99</b>	<b>3%, 5% Chrysotile</b>	<b>400 SF</b>
<b>FTM-25, Mastic Associated with FT-25</b>	<b>No</b>	<b>Office Adjacent to Health Suite</b>	<b>B-98, B-100</b>	<b>2%, 5% Chrysotile</b>	<b>400 SF</b>
CB-01, Gray Cove Base	No	Health Suite on First Floor	B-101, B-103	NAD	--
CBM-01, Cove Base Mastic associated with CB-01	No	Health Suite on First Floor	B-102, B-104	NAD	--
CM-01, Carpet Mastic, Green	No	Reading Clinic	B-105, B-106, B-94-Green Mastic, B-96-Green Mastic	NAD	--
CM-02, Carpet Mastic, Tan	No	Reading Clinic	B-107, B-108	NAD	--

Description of Material Type	Friable (Yes/No)	Location	Sample Numbers	ACM	Estimated Quantity <sup>1,2</sup>
DW-01, White Drywall	No	Stairwell	B-109, B-110	NAD	--
JC-01, White Joint Compound	No	Stairwell	B-111, B-112	NAD	--
CT-01, 12"x12", Ceiling Tile with Lateral Grooves	No	Throughout	B-113, B-114	NAD	--
CT-02, 4'x2', Ceiling Tile with lateral grooves, light gray	No	Throughout	B-115, B-116	NAD	--
CT-03, 4'x2', Ceiling Tile with lateral grooves, darker gray	No	Throughout	B-117, B-118	NAD	--
CT-04, 4'x2', Ceiling Tile, pocks, light gray	No	Throughout	B-119, B-120	NAD	--
<sup>1</sup> SF: square feet. <sup>2</sup> LF: linear feet. ND: non-detect. NS: not sampled. Note: these quantities are estimates only and not to be relied upon for Contractor bidding or proposal purposes, or for Notification requirements, Prospective abatement Contractors are solely responsible for determining actual quantities of ACMs and site conditions for pricing removal and developing work plans for ACM removal.					

## 2.0 LIMITED LEAD-BASED PAINT SURVEY

Apex's representative Mr. Gavin Kitchens (License # DC14-7457) visually inspected and collected twenty-two (22) paint chip samples. Lead based paint testing was conducted by collecting paint chip samples from each area with separate paint types (substrates, textures, etc.) and chips were submitted to EMSL for content analysis. EMSL's Laboratory Certificate of Analysis and chain-of-custody documentation are presented in **Appendix A**.

**Table 2 – Summary of Lead-Based Paint Sampling**

Sample ID	Description / Location	Analytical Results (by weight)
P-01	Beige, Underlying Green From Cinder Block, All Purpose Room	<0.010 %
P-02	Green, CMU Wall, All Purpose Room	0.26 %
P-03	Red, Metal Door, All Purpose Room	0.23 %
P-04	Red, JC/Plaster Stage Frame, All Purpose Room	<0.010 %
P-05	White, CMU Wall, Exit Room Left of Stage, All Purpose Room	0.016 %
P-06	White, CMU Wall, 3 <sup>rd</sup> Floor Stairwell	<0.010 %
P-07	Red, CMU Window, 4 <sup>th</sup> Floor Stairwell	<0.010 %
P-08	Light Green, CMU Wall, 4 <sup>th</sup> Floor Room 400	<0.010%
P-09	White Metal, Window Sill, 4 <sup>th</sup> Floor Room 400	<0.010 %
P-10	Yellow, CMU Wall, 4 <sup>th</sup> Floor Room 401	<0.010 %
P-11	Beige, Metal Wall, 4 <sup>th</sup> Floor Room 415	<0.018 %
P-12	Dark Beige, Metal Wall, 4 <sup>th</sup> Floor Between Rooms 415 and 416	<0.010 %
P-13	Turquoise, Metal Window Sill, 4 <sup>th</sup> Floor Reading Clinic	0.39 %
P-14	Beige, Plaster Ceiling, 3 <sup>rd</sup> Floor Stairwell	0.056 %
P-15	Brown, CMU Wall, 3 <sup>rd</sup> and 4 <sup>th</sup> Floor Stairwell	<0.010 %
P-16	Dark Blue, Sheetrock Wall, 2 <sup>nd</sup> Floor Library	<0.010 %
P-17	Yellow, Sheetrock Wall, 2 <sup>nd</sup> Floor Library	<0.017 %
P-18	Bright Green, Metal Window Sill, 2 <sup>nd</sup> Floor Copy Room	0.052 %
P-19	Beige, Metal Door Frame, 2 <sup>nd</sup> Floor Room 202	<0.010 %
P-20	Beige, Metal Door, 2 <sup>nd</sup> Floor Stairwell	0.49 %
P-21	Gray, Concrete Floor, Basement/Boiler Room Hallway	0.14 %
P-22	Light Blue, CMU Wall 1 <sup>st</sup> Floor Adult Bathroom	0.045 %

LBP Standard: is 0.5% by weight



### 3.0 UNIVERSAL WASTE SURVEY

Concurrently with the asbestos/lead-based inspection, Apex conducted a universal waste survey. Apex counted zero (0) mercury switches throughout the building.

Apex counted approximately 1,700 possible PCB light ballasts at the site.

### 4.0 CONCLUSIONS/RECOMMENDATIONS

Based on the laboratory results and visual assessments from December 29<sup>th</sup> 2014 through January 1st, 2015, Apex concludes that the following materials are ACM: ME-01, ME-02, ME-03, FTM-02, FTM-04, FT-05, FTM-05, FT-06, FTM-06, FT-08, FTM-08, FT-10, FTM-10, FT-11, FTM-11, FTM-12, FTM-13, FT-20, FTM-20, FT-25 and FTM-25. If any asbestos containing material is to be disturbed during renovations, a licensed asbestos abatement firm should be contacted to abate the asbestos hazard prior to any renovations.

All paint chip samples were below 0.5% by weight and are therefore not considered lead-based paints.

All lighting on site should be disposed of as universal wastes if removed during any demolition or renovation.

Apex is pleased to have been of service and if you have any questions regarding this report, please do not hesitate to contact us at (703) 396-6730.

Sincerely,  
**APEX COMPANIES, LLC**



Matt Huber  
I.H. Project Manager

Attachments

Photolog

Appendix A – Asbestos and Lead-Based Paint Laboratory Data Sheets and Executed Chains of Custody

Appendix B – Photolog

## **APPENDIX A**

Asbestos and Lead-Based Paint Laboratory Data Sheets and Executed Chains of Custody  
(EMSL Analytical Laboratory)

**APPENDIX B**  
Photo Log

## **APPENDIX A**

Asbestos and Lead-Based Paint Laboratory Data Sheets and Executed Chains of Custody  
(EMSL Analytical Laboratory)

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	Type
B-01 041500175-0001	First floor hallway - FT-01, 12x12, white w/blue & pink	White Non-Fibrous Homogeneous	HA: 1		100% Non-fibrous (other)	None Detected
B-02 041500175-0002	First floor hallway - FTM-01 mastic	Tan Non-Fibrous Homogeneous	HA: 2		100% Non-fibrous (other)	None Detected
B-03 041500175-0003	Room 417 - FT-01	White Non-Fibrous Homogeneous	HA: 1		100% Non-fibrous (other)	None Detected
B-04 041500175-0004	Room 417 - FTM-01	Tan Non-Fibrous Homogeneous	HA: 2		100% Non-fibrous (other)	None Detected
B-05 041500175-0005	Phone closet in main lobby - FT-02, 12x12, red w/black	Red Non-Fibrous Homogeneous	HA: 3		100% Non-fibrous (other)	None Detected
B-06 041500175-0006	Phone closet in main lobby - FTM-02, mastic	Black Non-Fibrous Homogeneous	HA: 4 limited sample material.		97% Non-fibrous (other)	3% Chrysotile

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	Type
B-07 041500175-0007	First floor stairway - FT-02	Red Non-Fibrous Homogeneous	HA: 3		100% Non-fibrous (other)	None Detected
B-08 041500175-0008	First floor stairway - FTM-02	Black Non-Fibrous Homogeneous	HA: 4 limited sample material.		98% Non-fibrous (other)	2% Chrysotile
B-09 041500175-0009	Under FT-01 in main lobby - FT-03, 9x9, dark red	Red Non-Fibrous Homogeneous	HA: 5		100% Non-fibrous (other)	None Detected
B-10 041500175-0010	Under FT-01 in main lobby - FTM-03, mastic	Black Non-Fibrous Homogeneous	HA: 6		100% Non-fibrous (other)	None Detected
B-11 041500175-0011	Under FT-01 in stairway - FT-03	Red Non-Fibrous Homogeneous	HA: 5		100% Non-fibrous (other)	None Detected
B-12 041500175-0012	Under FT-01 in stairway - FTM-03		HA: 6		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-13 041500175-0013	Hallway adjacent to all purpose rm - FT-04, 9x9, light red	Red Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
			HA: 7			
B-14 041500175-0014	Hallway adjacent to all purpose rm - FTM-04, mastic	Black Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
			HA: 8			
B-15 041500175-0015	Room 112 - FT-04	Red Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
			HA: 7			
B-16 041500175-0016	Room 112 - FTM-04	Black Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
			HA: 8			
B-17 041500175-0017	First floor storage closet - FT-05, 9x9 green	Green Non-Fibrous Homogeneous			98% Non-fibrous (other)	2% Chrysotile
			HA: 9			
B-18 041500175-0018	First floor storage closet - FTM-05, mastic	Black Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
			HA: 10			
B-19 041500175-0019	Room 410 - FT-05	Green Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
			HA: 9			

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-20 041500175-0020	Room 410 - FTM-05	Black Non-Fibrous Homogeneous			96% Non-fibrous (other)	4% <b>Chrysotile</b>
HA: 10						
B-21 041500175-0021	Room 112 - FT-06, gray, 9x9	Gray Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% <b>Chrysotile</b>
HA: 11						
B-22 041500175-0022	Room 112 - FTM-06, mastic	Black Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% <b>Chrysotile</b>
HA: 12						
B-23 041500175-0023	Room 315 - FT-06	Gray Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% <b>Chrysotile</b>
HA: 11						
B-24 041500175-0024	Room 315 - FTM-06	Black Non-Fibrous Homogeneous			95% Non-fibrous (other)	5% <b>Chrysotile</b>
HA: 12						
B-25 041500175-0025	All purpose room - FT-07, 12x12, teal w/green	Blue Non-Fibrous Homogeneous			100% Non-fibrous (other)	<b>None Detected</b>
HA: 13						
B-26 041500175-0026	All purpose room - FTM-07, mastic	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	<b>None Detected</b>
HA: 14						

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-27 041500175-0027	All purpose room - FT-07	Blue Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 13						
B-28 041500175-0028	All purpose room - FTM-07	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 14						
B-29 041500175-0029	Room on right side of stage - FT-08, 9x9, beige w/brown	Beige Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
HA: 15						
B-30 041500175-0030	Room on right side of stage - FTM-08, mastic	Black Non-Fibrous Homogeneous			97% Non-fibrous (other)	3% Chrysotile
HA: 16						
B-31 041500175-0031	Room 112 - FT-08	Beige Non-Fibrous Homogeneous			96% Non-fibrous (other)	4% Chrysotile
HA: 15						
B-32 041500175-0032	Room 112 - FTM-08	Black Non-Fibrous Homogeneous			95% Non-fibrous (other)	5% Chrysotile
HA: 16						
B-33 041500175-0033	All purpose room - FT-09, 12x12, orange	Orange Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 17						

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-34 041500175-0034	All purpose room - CM-02, tan mastic w/blue layer	Tan Non-Fibrous Homogeneous	HA: 18		100% Non-fibrous (other)	None Detected
B-35 041500175-0035	Reading clinic underneath carpet - FT-09	Orange Non-Fibrous Homogeneous	HA: 17		100% Non-fibrous (other)	None Detected
B-36 041500175-0036	Reading Clinic - CM-02	Tan Non-Fibrous Homogeneous	HA: 18		100% Non-fibrous (other)	None Detected
B-37 041500175-0037	Stairway - FT-10, 9x9 red w/yellow & white	Red Non-Fibrous Homogeneous	HA: 19		96% Non-fibrous (other)	4% Chrysotile
B-38 041500175-0038	Stairway - FTM-10, mastic	Black Non-Fibrous Homogeneous	HA: 20		95% Non-fibrous (other)	5% Chrysotile
B-39 041500175-0039	Boiler room stairway - FT-10	Red Non-Fibrous Homogeneous	HA: 19		93% Non-fibrous (other)	7% Chrysotile
B-40 041500175-0040	Boiler room stairway - FTM-10	Black Non-Fibrous Homogeneous	HA: 20		94% Non-fibrous (other)	6% Chrysotile

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>	
				Fibrous	Non-Fibrous	Type	
B-41 041500175-0041	Room 112 - FT-11, 9x9 white w/red	White Non-Fibrous Homogeneous	HA: 21		97% Non-fibrous (other)	3% Chrysotile	
B-42 041500175-0042	Room 112 - FTM-11, mastic	Black Non-Fibrous Homogeneous	HA: 22		96% Non-fibrous (other)	4% Chrysotile	
B-43 041500175-0043	Hallway adjacent to all purpose - FT-11	White Non-Fibrous Homogeneous	HA: 21		95% Non-fibrous (other)	5% Chrysotile	
B-44 041500175-0044	Hallway adjacent to all purpose - FTM-11	Black Non-Fibrous Homogeneous	HA: 22		96% Non-fibrous (other)	4% Chrysotile	
B-45 041500175-0045	Boiler room stairway - FT-12, 12x12, black	Black Non-Fibrous Homogeneous	HA: 23		100% Non-fibrous (other)	None Detected	
B-46 041500175-0046	Boiler room stairway - FTM-12, mastic	Brown Non-Fibrous Homogeneous	HA: 24		97% Non-fibrous (other)	3% Chrysotile	
B-47 041500175-0047	Boiler room stairway - FT-12	Black Non-Fibrous Homogeneous	HA: 23		100% Non-fibrous (other)	None Detected	

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-48 041500175-0048	Boiler room stairway - FTM-12	Brown Non-Fibrous Homogeneous			96% Non-fibrous (other)	4% Chrysotile
HA: 24						
B-49 041500175-0049	Stairway - FT-13, 12x12, red w/white	Red Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 25						
B-50-Mastic 041500175-0050	Stairway - FTM- 13, mastic	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 26						
B-50-Mastic 2 041500175-0050A	Stairway - FTM- 13, mastic	Black Non-Fibrous Homogeneous			95% Non-fibrous (other)	5% Chrysotile
HA: 26						
B-51 041500175-0051	Room 316 - FT-13	Red Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 25						
B-52 041500175-0052	Room 316 - FTM- 13	Black/Yellow Non-Fibrous Heterogeneous			97% Non-fibrous (other)	3% Chrysotile
HA: 26 Black and yellow mastics inseparable						

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	% Type
B-53 041500175-0053	First floor hallway - FT-14, 12x12, gray w/specks	Gray Non-Fibrous Homogeneous	HA: 27		100% Non-fibrous (other)	None Detected
B-54 041500175-0054	First floor hallway - FTM-14, mastic	Yellow Non-Fibrous Homogeneous	HA: 28		100% Non-fibrous (other)	None Detected
B-55 041500175-0055	Third floor hallway - FT-14	Gray Non-Fibrous Homogeneous	HA: 27		100% Non-fibrous (other)	None Detected
B-56 041500175-0056	Third floor hallway - FTM-14	Yellow Non-Fibrous Homogeneous	HA: 28		100% Non-fibrous (other)	None Detected
B-57 041500175-0057	Second floor hallway - FT-15, 12x12, dark red	Red Non-Fibrous Homogeneous	HA: 29		100% Non-fibrous (other)	None Detected
B-58 041500175-0058	Second floor hallway - FTM-15, mastic	Yellow Non-Fibrous Homogeneous	HA: 30		100% Non-fibrous (other)	None Detected
B-59 041500175-0059	Fourth floor hallway - FT-15	Red Non-Fibrous Homogeneous	HA: 29		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-60 041500175-0060	Fourth floor hallway - FTM-15	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 30						
B-61 041500175-0061	Room 201 - FT-16, 12x12, beige	Beige Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 31						
B-62 041500175-0062	Room 201 - FTM-16, mastic	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 32						
B-63 041500175-0063	Stairway - FT-16	Beige Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 31						
B-64 041500175-0064	Stairway - FTM-16	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 32						
B-65 041500175-0065	Second floor hallway by library - FT-17, 12x12 blue tile	Blue Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	None Detected
HA: 33						

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>	
			% Fibrous	% Non-Fibrous	% Type	
B-66 041500175-0066	Second floor hallway by library - FTM-17 mastic	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)		None Detected
HA: 34						
B-67 041500175-0067	Second floor hallway by library - FT-17	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 33						
B-68 041500175-0068	Second floor hallway by library - FTM-17	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 34						
B-69 041500175-0069	Second floor hallway by library - FT-18, 12x12, dark blue	Blue Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)		None Detected
HA: 35						
B-70 041500175-0070	Second floor hallway by library - FTM-18, mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 36						
B-71 041500175-0071	Second floor hallway by library - FT-18	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 35						

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	<u>Non-Asbestos</u>		<u>Asbestos</u>	
				% Non-Fibrous		% Type	
B-72 041500175-0072	Second floor hallway by library - FTM-18	Yellow Non-Fibrous Homogeneous	HA: 36	100% Non-fibrous (other)		None Detected	
B-73 041500175-0073	Second floor hallway by library - FT-19, 12x12, yellow	Yellow Non-Fibrous Homogeneous	HA: 35	100% Non-fibrous (other)		None Detected	
B-74 041500175-0074	Second floor hallway by library - FTM-19, mastic	Brown/Yellow Non-Fibrous Homogeneous	HA: 38	100% Non-fibrous (other)		None Detected	
B-75 041500175-0075	Second floor hallway by library - FT-19	Yellow Non-Fibrous Homogeneous	HA: 37	100% Non-fibrous (other)		None Detected	
B-76 041500175-0076	Second floor hallway by library - FTM-19	Brown Non-Fibrous Homogeneous	HA: 38	100% Non-fibrous (other)		None Detected	
B-77 041500175-0077	Multipurpose rm, third floor - FT-20, 9x9 white w/gray	Gray/White Non-Fibrous Homogeneous	HA: 39	97% Non-fibrous (other)		3% Chrysotile	

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-78 041500175-0078	Multipurpose rm, third floor - FTM-20, mastic	Black Non-Fibrous Homogeneous	HA: 40		97% Non-fibrous (other)	3% Chrysotile
B-79 041500175-0079	Multipurpose rm, third floor - FT-20	Gray/White Fibrous Homogeneous	HA: 39		97% Non-fibrous (other)	3% Chrysotile
B-80 041500175-0080	Multipurpose rm, third floor - FTM-20	Black Fibrous Homogeneous	HA: 40		98% Non-fibrous (other)	2% Chrysotile
B-81 041500175-0081	Room 112 - FT-21, 12x12, white w/blue & pink	White/Blue/Pink Non-Fibrous Homogeneous	HA: 41		100% Non-fibrous (other)	None Detected
B-82 041500175-0082	Room 112 - FTM-21, mastic	Yellow Non-Fibrous Homogeneous	HA: 42		100% Non-fibrous (other)	None Detected
B-83 041500175-0083	Room 112 - FT-21	White/Blue/Purple Non-Fibrous Homogeneous	HA: 41		100% Non-fibrous (other)	None Detected
B-84 041500175-0084	Room 112 - FTM-21	Yellow Non-Fibrous Homogeneous	HA: 42		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	% Type
B-85 041500175-0085	First floor storage room - FT-22, 12x12, green w/black streaks	Black/Green Non-Fibrous Homogeneous	HA: 43		100% Non-fibrous (other)	None Detected
B-86 041500175-0086	First floor storage room - FTM-22, mastic	Yellow Non-Fibrous Homogeneous	HA: 44		100% Non-fibrous (other)	None Detected
B-87 041500175-0087	First floor storage room - FT-22	Green Non-Fibrous Homogeneous	HA: 43		100% Non-fibrous (other)	None Detected
B-88 041500175-0088	First floor storage room - FTM-22	Yellow Non-Fibrous Homogeneous	HA: 44		100% Non-fibrous (other)	None Detected
B-89 041500175-0089	First floor health suite - FT-23, 12x12, dark gray	Gray Non-Fibrous Homogeneous	HA: 45		100% Non-fibrous (other)	None Detected
B-90 041500175-0090	First floor health suite - FTM-23	Yellow Non-Fibrous Homogeneous	HA: 46		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-91 041500175-0091	Third floor hallway - FTM-23	Gray Non-Fibrous Homogeneous	HA: 45		100% Non-fibrous (other)	None Detected
B-92 041500175-0092	Third floor hallway - FTM-23	Yellow Non-Fibrous Homogeneous	HA: 46		100% Non-fibrous (other)	None Detected
B-93 041500175-0093	Office behind first floor copy rm - FT-24, 9x9 purple	Purple Non-Fibrous Homogeneous	HA: 47		100% Non-fibrous (other)	None Detected
B-94-Yellow Mastic 041500175-0094	Office behind first floor copy rm - FTM-24, mastic	Yellow Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-94-Green Mastic 041500175-0094A	Office behind first floor copy rm - FTM-24, mastic	Green Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-94- Leveler 041500175-0094B	Office behind first floor copy rm - FTM-24, mastic	Gray Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-95 041500175-0095	Office behind first floor copy rm - FT-24	Purple Non-Fibrous Homogeneous	HA: 47		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-96- Yellow Mastic 041500175-0096	Office behind first floor copy rm - FTM-24	Yellow Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-96- Green Mastic 041500175-0096A	Office behind first floor copy rm - FTM-24	Green Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-96-Leveler 041500175-0096B	Office behind first floor copy rm - FTM-24	Gray Non-Fibrous Homogeneous	HA: 48		100% Non-fibrous (other)	None Detected
B-97 041500175-0097	Office adjacent to health suite - FT-25, 9x9, dark red w/streaks	Red Non-Fibrous Homogeneous	HA: 49		97% Non-fibrous (other)	3% Chrysotile
B-98 041500175-0098	Office adjacent to health suite - FTM-25, mastic	Black Non-Fibrous Homogeneous	HA: 50		98% Non-fibrous (other)	2% Chrysotile
B-99 041500175-0099	Office adjacent to health suite - FT-25	Brown/Red Fibrous Homogeneous	HA: 49		95% Non-fibrous (other)	5% Chrysotile
B-100 041500175-0100	Office adjacent to health suite - FTM-25	Black Fibrous Homogeneous	HA: 50		95% Non-fibrous (other)	5% Chrysotile

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-101 041500175-0101	Health suite - CB-01, black cove base	Black Non-Fibrous Homogeneous	HA: 51		100% Non-fibrous (other)	None Detected
B-102 041500175-0102	Health suite - CBM-01, black cove base mastic	Yellow/Clear Non-Fibrous Homogeneous	HA: 52		100% Non-fibrous (other)	None Detected
B-103 041500175-0103	Fourth floor storage room - CB-01	Black Non-Fibrous Homogeneous	HA: 51		100% Non-fibrous (other)	None Detected
B-104 041500175-0104	Fourth floor storage room - CBM-01	Yellow Non-Fibrous Homogeneous	HA: 52		100% Non-fibrous (other)	None Detected
B-105 041500175-0105	Reading clinic - CM-01, green carpet mastic	Green Non-Fibrous Homogeneous	HA: 53		100% Non-fibrous (other)	None Detected
B-106 041500175-0106	Reading clinic - CM-01	Green Non-Fibrous Homogeneous	HA: 53		100% Non-fibrous (other)	None Detected
B-107 041500175-0107	Reading clinic - CM-02, tan carpet mastic	Tan Non-Fibrous Homogeneous	HA: 54		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-108 041500175-0108	Reading clinic - CM-02	Green Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 54						
B-109 041500175-0109	Stairway - DW-01, drywall	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 55						
B-110 041500175-0110	Stairway - DW-01	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 55						
B-111 041500175-0111	Stairway - JC-01, joint compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 56						
B-112 041500175-0112	Stairway - JC-01	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
HA: 56						
B-113 041500175-0113	Room 216 - CT-01, 12x12, CT w/lateral grooves	Tan Fibrous Homogeneous	70%	Min. Wool	30% Non-fibrous (other)	None Detected
HA: 57						

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	<u>Non-Asbestos</u>		% Type
				% Non-Fibrous		
B-114 041500175-0114	Room 202 - CT-01	Tan Fibrous Homogeneous	80% Min. Wool	20% Non-fibrous (other)		None Detected
HA: 57						
B-115 041500175-0115	First floor hallway - CT-02, 4x2, lateral grooves, light gray	Tan Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (other)		None Detected
HA: 58						
B-116 041500175-0116	First floor hallway - CT-02	Tan Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (other)		None Detected
HA: 58						
B-117 041500175-0117	Room 415 - CT-03, 4x2, lateral grooves, dark gray	Gray Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (other)		None Detected
HA: 59						
B-118 041500175-0118	Room 408 - CT-03	Gray Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (other)		None Detected
HA: 59						
B-119 041500175-0119	First floor hallway - CT-04, 4x2, pocks, light gray	Gray Fibrous Homogeneous	45% Cellulose 10% Min. Wool	45% Non-fibrous (other)		None Detected
HA: 60						

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	% Fibrous	<u>Non-Asbestos</u>		% Type
				% Non-Fibrous		
B-120 041500175-0120	First floor hallway - CT-04	Gray Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (other)		None Detected
HA: 60						
B-121 041500175-0121	Incinerator room - TSI-01 pipe wrap	White Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)		None Detected
HA: 61						
B-122 041500175-0122	Incinerator room - TSI-01	Various Fibrous Homogeneous	65% Cellulose 5% Glass	30% Non-fibrous (other)		None Detected
HA: 61						
B-123 041500175-0123	Incinerator room - TSI-01	Tan Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (other)		None Detected
HA: 62						
B-124-Skim Coat 041500175-0124	Storage closet-1st floor - PL-01, plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 62						
B-124-Base Coat 041500175-0124A	Storage closet-1st floor - PL-01, plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 62						
B-125-Skim Coat 041500175-0125	Storage closet-1st floor - PL-01, plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)		None Detected
HA: 62						

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
 Fax: (703) 396-6743  
 Received: 01/05/15 8:30 AM  
 Analysis Date: 1/8/2015  
 Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	<u>Non-Asbestos</u>		<u>Asbestos</u>
				Fibrous	Non-Fibrous	Type
B-125-Base Coat 041500175-0125A	Storage closet-1st floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-126-Skim Coat 041500175-0126	Storage closet-3rd floor - PL-01, plaster	White Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-126-Base Coat 041500175-0126A	Storage closet-3rd floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-127-Skim Coat 041500175-0127	Storage closet-3rd floor - PL-01, plaster	White Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-127-Base Coat 041500175-0127A	Storage closet-3rd floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-128-Skim Coat 041500175-0128	Boys' bathroom-3rd floor - PL-01, plaster	White Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-128-Base Coat 041500175-0128A	Boys' bathroom-3rd floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Alexis Kum (22)

Daniel Fricker (15)

Keishla Vazquez Caraballo (26)

Steven Quinn (47)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 041500175

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 8:30 AM  
Analysis Date: 1/8/2015  
Collected: 12/30/2014

Project: 13636.001

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	%	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	% Type
B-129-Skim Coat 041500175-0129	Boys' bathroom- 3rd floor - PL-01, plaster	White Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-129-Base Coat 041500175-0129A	Boys' bathroom- 3rd floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-130-Skim Coat 041500175-0130	Boys' bathroom- 3rd floor - PL-01, plaster	White Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected
B-130-Base Coat 041500175-0130A	Boys' bathroom- 3rd floor - PL-01, plaster	Gray Non-Fibrous Homogeneous	HA: 62		100% Non-fibrous (other)	None Detected

## Analyst(s)

Amy Johnson (31)

Daniel Fricker (15)

Steven Quinn (47)

Alexis Kum (22)

Keishla Vazquez Caraballo (26)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/08/2015 08:04:35

EMSL Analytical, Inc.  
200 Route 130 NorthEMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS • TRADING

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041500175

Cinnaminson, NJ 08077  
PHONE: 1-800-220-3675  
FAX: (856) 786-5974

Company: Apex Companies, LLC.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 8854 Rixlew Lane		Third Party Billing requires written authorization from third party	
City: Manassas	State/Province: VA	Zip/Postal Code: 20109	Country: United States
Report To (Name): Matt Huber		Telephone #: 2408763519	
Email Address: mhuber@apexcos.com		Fax #: 7033966730	Purchase Order:
Project Name/Number: 13636.001		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: DC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
<input type="checkbox"/> OSHA ID-191 Modified		<input type="checkbox"/>	
<input type="checkbox"/> Standard Addition Method			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 12/30/14	
Samplers Name: Matt Huber		Samplers Signature: MATH	
Sample #	HA #	Sample Location	Material Description
B-01	1	First floor hallway, <del>Room 417</del>	FT-01, 12"x12", White w/ Blue-ink
B-02	2	"	FTM-01, Mashie
B-03	1	Room 417	FT-01
B-04	2	"	FTM-01
B-05	3	Phone closet in main lobby	FT-02, 12"x12", red w/ black
B-06	4	"	FTM-02, Mashie
B-07	3	First floor stairway	FT-02
B-08	4	"	FTM-02
B-09	5	Under FT-01 in Main lobby	FT-03, 9"x9", Dark red
B-10	6	"	FTM-03, Mashie
Client Sample # (s): B-01 - B-130		Total # of Samples: 130	
Relinquished (Client): MATH		Date: 1/2/15	Time: 1700
Received (Lab): ALK FX		Date: 1/5/15	Time: 0830
Comments/Special Instructions:			

130 MC



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRADING

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041500175

EMSL Analytical, Inc.  
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
B-11	5	Under FT-01 in Stairway	FT-03
B-12	6	11	FTM-03
B-13	7	Hallway adjacent to All Purpose RM	FT-04, 9"x9", light red
B-14	8	11	FTM-04, Mastic
B-15	7	Room 112	FT-04
B-16	8	11	FTM-04
B-17	9	First floor storage closet	FT-05, 9"x9" Green
B-18	10	11	FTM-05, Mastic
B-19	9	Room 410	FT-05
B-20	10	11	FTM-05
B-21	11	Room 112	FT-06, Gray, 9"x9"
B-22	12	11	FTM-06, Mastic
B-23	11	Room 315	FT-06
B-24	12	11	FTM-06
B-25	13	All purpose room	FT-07, 12"x12", teal w/ green
B-26	14	11	FTM-07, Mastic
B-27	13	All purpose room	FT-07
B-28	14	11	FTM-07
B-29	15	Room on right side of stage	FT-08, 9"x9", beige w/ brown
B-30	16	11	FTM-08, Mastic
B-31	15	Room 112	FT-08
B-32	16	11	FTM-08
B-33	17	All purpose room	FT-09, 12"x12", orange
B-34	18	11	<del>FTM-09</del> CM-02, Tan mastic w/ blue 22-06
*Comments/Special Instructions:			

RECEIVED  
EMSL  
CINNAMINSON, NJ  
JAN - 5 A 9 54

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

-00175

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
B-35	17	Reading clinic underneath carpet	FT-09
B-36	18	Reading Clinic	CM-02
B-37	19	Stairway	FT-10, 9"x9", red w/ yellow & white
B-38	20	"	FTM-10, Marble
B-39	19	Boiler room stairway	FT-10
B-40	20	"	FTM-10
B-41	21	Room 112	FT-11, 9"x9", white w/ red
B-42	22	"	FTM-11, Marble
B-43	21	Hallway adjacent to All Purpose	FT-11
B-44	22	"	FTM-11
B-45	23	Boiler room stairway	FT-12, 12"x12", black
B-46	24	"	FTM-12, Marble
B-47	23	"	FT-12
B-48	24	"	FTM-12
B-49	25	Stairway	FT-13, 12"x12", red w/ white
B-50	26	"	FTM-13, Marble
B-51	25	Room 316	FT-13
B-52	26	"	FTM-13
B-53	27	First floor Hallway	FT-14, 12"x12", gray w/ specks
B-54	28	"	FTM-14, Marble
B-55	27	Third floor Hallway	FT-14
B-56	28	"	FTM-14
B-57	29	Second floor Hallway	FT-15, 12"x12", dark red
B-58	30	"	FTM-15, Marble
*Comments/Special Instructions:			

Page 3 of 6 pages

 RECEIVED  
 EMSL  
 CINNAMINSON, NJ  
 5 JAN -5 A 9:54

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAININGAsbestos Bulk Building Material  
Chain of Custody

EMSL Order Number (Lab Use Only):

041500175

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
B-59	29	Fourth floor Hallway	FT-15
B-60	30	"	FTM-15
B-61	31	Room 201	FT-16, 12"x12", Beige
B-62	32	"	FTM-16, Must be
B-63	31	Stairway	FT-16
B-64	32	"	FTM-16
B-65	33	Second floor hallway by Library	FT-17, 12"x12" Blue tile
B-66	34	"	FTM-17, Must be
B-67	33	"	FT-17
B-68	34	"	FTM-17
B-69	35	"	FT-18, 12"x12", Dark Blue
B-70	36	"	FTM-18, Must be
B-71	35	"	FT-18
B-72	36	"	FTM-18
B-73	37	"	FT-19, 12"x12", Yellow
B-74	38	"	FTM-19, Must be
B-75	37	"	FT-19
B-76	38	"	FTM-19
B-77	39	Multi-purpose rm, Third floor	FT-20, 9"x9", White w/ gray
B-78	40	"	FTM-20, Must be
B-79	39	"	FT-20
B-80	40	"	FTM-20
B-81	41	Room 112	FT-21, 12"x12", White w/ blue-pink
B-82	42	"	FTM-21, Must be
*Comments/Special Instructions:			

RECEIVED  
EMSL  
CINNAMINSON, NJ  
JAN - 5 A 9:54

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAININGAsbestos Bulk Building Material  
Chain of Custody

EMSL Order Number (Lab Use Only):

041500175

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
B-83	41	Room 112	FT-21
B-84	42	"	FTM-21
B-85	43	First floor storage room	FT-22, 12"x12", Green w/ black streaks
B-86	44	"	FTM-22, Marble
B-87	43	"	FT-22
B-88	44	"	FTM-22
B-89	45	First floor Health Suite	FT-23, 12"x12", Dark gray
B-90	46	"	FTM-23
B-91	45	Third floor hallway	FT-23
B-92	46	"	FTM-23
B-93	47	Office behind first floor copy rm	FT-24, 12"x9", Purple
B-94	48	"	FTM-24, Marble
B-95	47	"	FT-24
B-96	48	"	FTM-24
B-97	49	Office adjacent to Health Suite	FT-25, 9"x9", Dark Red w/ streaks
B-98	50	"	FTM-25, Marble
B-99	<del>50</del> 49	"	FT-25
B-100	50	"	FTM-25
B-101	51	Health Suite	CB-01, Black core base
B-102	52	"	BBM-01, Core base marble
B-103	51	Fourth floor storage room	CB-01
B-104	52	"	CBM-01
B-105	53	Reading Clinic	CM-01, Green carpet marble
B-106	<del>53</del>	"	CM-01
*Comments/Special Instructions:			

 RECEIVED  
 EMSL  
 CINNAMINSON, NJ  
 2015 JAN -5 A 9:54

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041500175

Cinnaminson, NJ 08077  
PHONE: 1-800-220-3675  
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
B-107	54	Reading Clinic	CM-02, Tan carpet
B-108	54	"	CM-02
B-109	55	Stairway	DV-01, Drywall
B-110	55	"	DV-01
B-111	56	"	FC-01, Joint Compound
B-112	56	"	FC-01
B-113	57	Room 216	CT-01, 12"x12", CT w/ lateral grooves
B-114	58	Room 202	CT-01
B-115	58	First floor hallway	CT-02, 4'x2', lateral grooves, light gray
B-116	58	"	CT-02
B-117	59	Room 415	CT-03, 4'x2', lateral grooves, dark gray
B-118	59	Room 408	CT-03
B-119	60	First floor Hallway	CT-04, 4'x2', picks, light gray
B-120	60	"	CT-04
B-121	61	Incinerator room	TSE-01 - Pipe wrap
B-122	61	"	TSE-01
B-123	61	"	TSE-01
B-124	62	Storage closet - 1st floor	PL-01, Plaster
B-125	62	"	PL-01
B-126	62	Storage closet - 3rd floor	PL-01
B-127	62	"	PL-01
B-128	62	Boys' Bathroom - 3rd floor	PL-01
B-129	62	"	PL-01
B-130	62	"	PL-01
*Comments/Special Instructions:			

RECEIVED  
EMSL  
CINNAMINSON, NJ  
2015 JAN - 5 A 9:54



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201500051

CustomerID: APXC62

CustomerPO:

ProjectID:


Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 9:14 AM  
Collected: 12/31/2014

Project: 13636.001

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
P-01 Site: Beige with Underlying Green From Cinder Block Desc: All Purpose Room	201500051-0001	12/31/2014	1/5/2015	<0.010 % wt
P-02 Site: Green on CMU Wall, All Purpose Room	201500051-0002	12/31/2014	1/5/2015	0.26 % wt
P-03 Site: Red from Metal Door, All Purpose Room	201500051-0003	12/31/2014	1/5/2015	0.23 % wt
P-04 Site: Red From Stage Frame Desc: JC or Plaster Over Wood or Metal, All Purpose Room	201500051-0004	12/31/2014	1/5/2015	<0.010 % wt
P-05 Site: White, CMU Wall, Exit Room Desc: Left of Stage in All Purpose Room	201500051-0005	12/31/2014	1/5/2015	0.016 % wt
P-06 Site: White, CMU Wall, 3rd Floor Stairwell	201500051-0006	12/31/2014	1/5/2015	<0.010 % wt
P-07 Site: Red, CMU, Window 4th Floor Stairwell Desc: Red on Light Green Peel	201500051-0007	12/31/2014	1/5/2015	<0.010 % wt
P-08 Site: Light Green, CMU Wall, 4th Floor, Room 400	201500051-0008	12/31/2014	1/5/2015	<0.010 % wt
P-09 Site: White, Metal, Window Sill, 4th Floor, Room 400	201500051-0009	12/31/2014	1/5/2015	<0.010 % wt
P-10 Site: Yellow, CMU, Wall 4th Floor Room 401	201500051-0010	12/31/2014	1/5/2015	<0.010 % wt
P-11 Site: Beige, Metal, Wall, 4th Floor, Room 415	201500051-0011	12/31/2014	1/5/2015	<0.018 % wt
P-13 Site: Turquoise, Metal, Window Sill, 4th Floor Desc: Reading Chair	201500051-0013	12/31/2014	1/5/2015	0.39 % wt
P-14 Site: Beige, Plaster, Ceiling, 3rd Floor Desc: Stairwell, Over Green	201500051-0014	12/31/2014	1/5/2015	0.056 % wt

  
Julie Smith - Laboratory Director  
NJ-NELAP Accredited: 03036  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 01/06/2015 14:55:15

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201500051

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/05/15 9:14 AM  
Collected: 12/31/2014

Project: 13636.001

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
P-15	201500051-0015	12/31/2014	1/5/2015	<0.010 % wt
Site: Brown,CMU,Wall,3rd & 4th Fl Stairwell Over Red CMU				
P-16	201500051-0016	12/31/2014	1/5/2015	<0.010 % wt
Site: Dark Blue,Sheetrock,Wall,2nd Floor Library				
Desc: DW Paper came with Sample				
P-17	201500051-0017	12/31/2014	1/5/2015	<0.017 % wt
Site: Yellow,Sheetrock,Wall,2nd Floor Library				
Desc: DW Paper came with Sample				
P-18	201500051-0018	12/31/2014	1/5/2015	0.052 % wt
Site: Bright Green,Metal,Window Sill,2nd Floor,Copy Room				
P-19	201500051-0019	12/31/2014	1/5/2015	<0.010 % wt
Site: Beige,Metal,Door Frame,2nd Floor Room 202-Peeling				
P-20	201500051-0020	12/31/2014	1/6/2015	0.49 % wt
Site: Beige,Metal,Door,2nd Floor Stairwell				
Desc: Turquoise Layer Under				
P-21	201500051-0021	12/31/2014	1/5/2015	0.14 % wt
Site: Gray,Concrete,Floor,Basement/Boiler Room Hallway				
P-22	201500051-0022	12/31/2014	1/5/2015	0.045 % wt
Site: Ligh Blue,CMU,Wall,1st Floor Adult Bathroom				
Desc: Includes Substrate				

Julie Smith - Laboratory Director  
NJ-NELAP Accredited:03036  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 01/06/2015 14:55:15

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

## Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only)

201500051

Cinnaminson, NJ 08077

PHONE 1-800-220-3675

FAX (856) 786-5974

Company: Apex Companies, LLC.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**		
Street: 8854 Rixlew Lane		Third Party Billing requires written authorization from third party		
City: Manassas	State/Province: VA	Zip/Postal Code: 20109	Country: United States	
Report To (Name): Matt Huber		Telephone #: 2408763519		
Email Address: mhuber@apexcos.com		Fax #: 7033966730	Purchase Order:	
Project Name/Number: 13636.001		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail		
U.S. State Samples Taken: DC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt		
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week				
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>
Name of Sampler: Gavin Kitchens		Signature of Sampler: Gavin Kitchens		
Sample #	Location	Volume/Area	Date/Time Sampled	
P-01	Beige with under lying green from cinder block. All purpose rm.		12/31/14	
P-02	Green on CMU wall, All purpose room.		12/31/14	
P-03	Red from metal door All purpose room		12/31/14	
P-04	Red from stage frame. SC or plaster over wood or metal. APR		12/31/14	
P-05	White, CMU wall. Exit room left of stage in All purpose		12/31/14	
Client Sample #'s		Total # of Samples:	22	
Relinquished (Client):	Date: 1/2/15	Time: 1700		
Received (Lab):	Date: 1/5/15	Time: 9:14am		
Comments:				

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201500185

CustomerID: APXC62

CustomerPO:

ProjectID:

Attn: **Matt Huber**  
**Apex Companies, LLC**  
**8854 Rixlew Lane**  
**Manassas, VA 20109**

Phone: (703) 396-6730  
Fax: (703) 396-6743  
Received: 01/09/15 10:03 AM  
Collected: 1/8/2015

Project: **Watkins Elem****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
P-12	201500185-0001	1/8/2015	1/9/2015	<0.010 % wt
Site: Dark Beige,Metal Wall 4th Fl,Between Rm 415 & 416				

Julie Smith - Laboratory Director  
NJ-NELAP Accredited:03036  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 01/09/2015 17:22:06



## Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201500185

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company: Apex Companies, LLC.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: 8854 Rixlew Lane		Third Party Billing requires written authorization from third party	
City: Manassas	State/Province: VA	Zip/Postal Code: 20109	Country: United States
Report To (Name): Matt Huber		Telephone #: 2408763519	
Email Address: mhuber@apexcos.com		Fax #: 7033966730	Purchase Order:
Project Name/Number: Watkins Elem		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: DC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: <i>Gresh K. Toland</i>		Signature of Sampler: <i>Gresh K. Toland</i>	
Sample #	Location	Volume/Area	Date/Time Sampled
P-12	<i>Deck Berger, Metal D. 11 4th Floor, Between Rm 415 &amp; 416</i>		<i>1/8/14</i>
Client Sample #'s		Total # of Samples: 1	
Relinquished (Client): <i>[Signature]</i>	Date: <i>1/8/14</i>	Time: <i>1700</i>	
Received (Lab): <i>[Signature]</i>	Date: <i>1/9/15</i>	Time: <i>10:03am</i>	<i>EX</i>
Comments:			



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRAINING

## LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID (Lab Use Only):

201500051

EMSL Analytical, Inc.  
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
P-06	white, CMU, wall <del>3rd floor stairwell</del>		12/31/14
P-07	Red, CMU, window 4th floor stairwell, red on lt. Green panel		
P-08	Lt Green, CMU, wall 4th floor Rm 400		
P-09	white, metal, window sill 4th floor Rm 400		
P-10	yellow, CMU, wall 4th floor Rm 401		
P-11	Beige, metal, wall 4th floor Rm 415		
P-12	Dark Beige, metal, wall 4th floor Rm 415		
P-13	Turquoise, metal, window sill 4th floor Reading Clinic		
P-14	Beige, Plaster, Ceiling 3rd floor stairwell, over green		
P-15	Brown, CMU, wall 3rd floor stairwell over red CMU		
P-16	Dark Blue, Sheetrock, wall 2nd floor library, DW paper came w/sample		
P-17	yellow, sheet rock, wall 2nd floor library, DW paper came w/sample		
P-18	Bright Green, metal, window sill 2nd floor copy room		
P-19	Beige, metal, Door Frame 2nd floor RM 202 - peeling		
P-20	Beige, metal, door 2nd floor stairwell, Turquoise layer under		
P-21	Gray, concrete, floor Basement / Boiler room hallway		
P-22	Lt. Blue, CMU, wall 1st floor Adult Bathroom, includes Substrate		
			↓
Comments/Special Instructions:			

**APPENDIX B**  
Photo Log

## Photolog



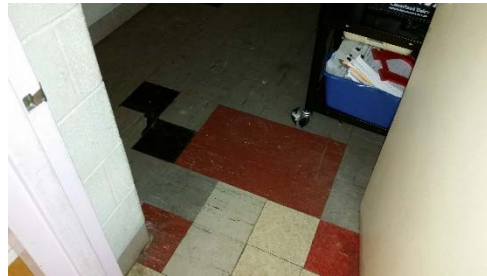
**Photograph 1:** ME-01, 2" lines assumed positive for asbestos.



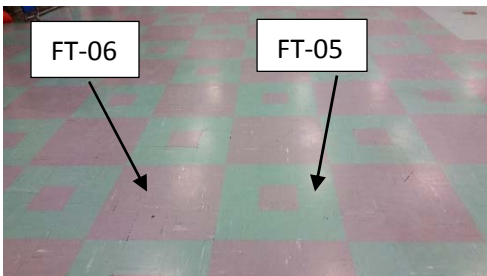
**Photograph 2:** ME-02 and ME-03, 4" lines and 8" lines assumed positive for asbestos.



**Photograph 3:** FTM-02, mastic associated with FT-02, is positive for asbestos.



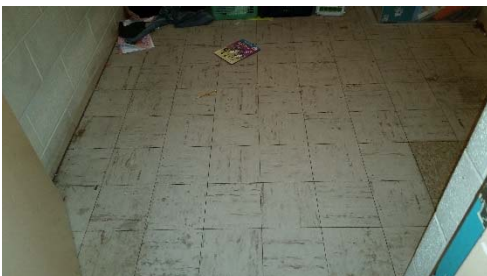
**Photograph 4:** FTM-04 (mastic associated with FT-04), FTM-12 (mastic associated with FT-12) and FTM-13 (mastic associated with FT-13) are positive for asbestos. FT-10 and FTM-10 are positive for asbestos. FT-25 and FTM-25 are positive for asbestos.



**Photograph 5:** FT-05, FTM-05, FT-06 and FTM-06 are positive for asbestos.



**Photograph 6:** FT-08 and FTM-08 are positive for asbestos.



**Photograph 7:** FT-11 and FTM-11 are positive for asbestos.



**Photograph 7:** FT-20 and FTM-20 are positive for asbestos.



**FORM OF CONTRACT**

**DESIGN-BUILD AGREEMENT  
WATKINS ELEMENTARY SCHOOL**

**BY AND BETWEEN  
THE DEPARTMENT OF GENERAL SERVICES  
AND  
[OFFEROR]**

**CONTRACT NUMBER:  
DCAM-16-CS-0032**

**DESIGN-BUILD AGREEMENT  
FOR WATKINS ELEMENTARY SCHOOL  
CONTRACT NUMBER: DCAM-16-CS-0032**

**THIS AGREEMENT** (“Agreement”) is made by and between the **DISTRICT OF COLUMBIA GOVERNMENT**, acting by and through its **DEPARTMENT OF GENERAL SERVICES** (the “Department”) and **[SELECTED OFFEROR]**, duly organized under the laws of **[JURISDICTION OF ORGANIZATION]** and with a place of business at **[ADDRESS]** (the “Design-Builder” and collectively, the “Parties”).

**WITNESSETH:**

**WHEREAS**, the Department desires to modernize and expand Watkins Elementary School, located at 420 12th Street, SE, Washington, DC (the “School”);

**WHEREAS**, the Department has retained an architect (the “Architect/Engineer”) to develop a design for the modernization and expansion of the School;

**WHEREAS**, the Department issued a request for proposals dated October 130, 2015 (the “RFP”) to engage a design-builder to actively engage in the design process with the Department, the District of Columbia Public School (“DCPS”), and the Architect in order to develop a design that is consistent with the programmatic needs and schedule and budgetary requirements, and to construct the approved design no later than July 31, 2017 (the “Substantial Completion Date”) in time for the 2018/2019 school year;

**WHEREAS**, the Design-Builder submitted a proposal entitled **[TITLE OF PROPOSAL]** dated **[DATE]** to advance the design documents and to construct the work at the School;

**WHEREAS**, the Department wishes to retain the Design-Builder to actively engage in the design process with the Department, the District of Columbia Public School (“DCPS”), and the Architect in order to develop a design that is consistent with the programmatic needs and schedule and budgetary requirements for the School, and to construct the approved design no later than July 31, 2017 in time for the 2017/2018 school year (the “Project”);

**WHEREAS**, the Department desires to assign its agreement with the Architect/Engineer for the Project (the “Design Contract”) to the Design-Builder at the time the GMP Amendment is executed in order that the Design-Builder manage the completion for the design for the Project;

**WHEREAS**, the Department and the Design-Builder entered into a letter contract dated **[DATE]** (the “Letter Contract”) pursuant to which the Design-Builder was authorized to proceed with certain preconstruction services;

**WHEREAS**, the Department has retained the services of a Program Manager (the “Program Manager”) to advise it concerning the Project; and

**NOW, THEREFORE**, the Department and Design-Builder, for the consideration set forth herein, mutually agree as follows.

## **ARTICLE 1**

### **GENERAL PROVISIONS**

**Section 1.1 Relationship of Parties.** The Design-Builder accepts the relationship of trust and confidence established with the Department by this Agreement, and covenants with the Department to furnish the Design-Builder's reasonable skill and judgment and to cooperate with the Architect/Engineer and the Program Manager in furthering the interests of the Department. The Design-Builder shall use its best efforts to perform the Project in an expeditious and economical manner consistent with the interests of the Department. The Department shall endeavor to promote harmony and cooperation among the Department, Architect/Engineer, Design-Builder, Program Manager, and other persons or entities employed by the Department for the Project. In performing its duties under this Contract, the Design-Builder shall at all times use the standard of care used by Design-Builders that construct state-of-the-art elementary schools in large, urban areas. Whenever the term "competent" is used herein to describe the Design-Builder's actions or duties, that term shall refer to the level of competence customarily possessed by those Design-Builders that construct elementary schools in large, urban areas.

**Section 1.2 Project Description.** As a general description, the Project consists of Preconstruction and Construction Services necessary to modernize and expand Watkins Elementary School as generally depicted on the schematic design attached hereto as **Exhibit B**, and possibly the construction of swing space on the site. It is anticipated that the Project will include (i) modernization of the approximately 54,000 square foot classroom; (ii) demolition of the 36,000 square foot multipurpose and administration; and (iii) construction of a new [NUMBER] two-story addition. It is anticipated that the two-story addition will house administrative spaces, a cafeteria, kitchen, and a gymnasium on the first level; and a media center and an accessible green roof on the second level. The classroom wing will be fully modernized, including restoration of the façade, classroom upgrades, and movement of the corridors from a double-loaded, centrally located corridor to a single-loaded, eastern located corridor. The modernization will also include the renovation of the surface parking lot, green roof, and other stormwater management features to meet the latest District of Columbia Department of the Environment and Energy requirements. The Project is being designed in such away so as to achieve, at a minimum, LEED for Schools – Gold certification. The Design-Builder shall work actively with the Architect/Engineer, the Department and DCPS in order to develop a design that is consistent with the programmatic needs and schedule and budgetary requirements for the Project, and to construct the approved design no later than the Substantial Completion Date. In addition, once a GMP is established and the Design Contract is assigned to the Design-Builder, the Design-Builder shall cause the Architect/Engineer to complete the design in a matter consistent with the GMP Drawings & Specifications and the Department's schedule and budget requirements for the Project. The Project must be Substantially Complete no later than July 31, 2017.

**Section 1.3 Program Manager.** The Department has engaged a Program Manager (or "PM") to provide certain program management functions. Such Program Manager shall, at all times, be acting solely for the benefit of the Department, not the Design-Builder. **The**

**Design-Builder hereby acknowledges and agrees that only a duly authorized contracting officer shall have the authority to issue Change Orders or Change Directives on the Department's behalf. As of the date that this Agreement is signed, the Department's duly authorizing contracting officers are Christopher Weaver, James Marshall, Kimberly Gray.**

**Section 1.4 General Description of Design-Builder's Duties.** The Design-Builder shall perform the services described in Articles 2 through 4. The Design-Builder shall supply and furnish at the location where the Work is to be performed all labor, materials, equipment, tools, services, and supervision, and shall bear all items of expense, necessary to complete and satisfactorily perform this Contract, except such items that the Department, in this Contract, specifically agrees to supply or furnish to or for the use of Design-Builder. Any labor, materials, equipment, tools, services or supervision not specifically described in this Contract, but which may be fairly implied as required thereby or necessary to properly complete the Contract Work, shall be deemed within the scope of the Contract Work and shall be provided by Design-Builder at Design-Builder's sole expense.

The services to be provided under Article 2 constitute the preconstruction phase services to be performed by the Design-Builder (the "Preconstruction Phase Services"). Article 3 provides for the process by which the Design-Builder and the Department shall agree upon a Guaranteed Maximum Price ("GMP") for this Project. Article 4 constitutes the construction phase during which the Design-Builder shall carry out the bulk of the construction and manage the completion of the design (the "Construction Phase Services").

**Section 1.5 Conformance with Laws.** It shall be the responsibility of the Design-Builder to perform the Contract in conformance with the Department's Procurement Regulations (27 DCMR § 4700 *et seq.*) and all statutes, laws, codes, ordinances, regulations, rules, requirements and orders of governmental bodies, including, without limitation, the U.S. Government and the District of Columbia government; and it is the sole responsibility of the Design-Builder to determine the Procurement Regulations, statutes, laws, codes, ordinances, regulations, rules, requirements and orders that apply and their effect on the Design-Builder's obligations thereunder. This Section 1.5 shall apply during both the Preconstruction Phase and the Construction Phase.

#### **Section 1.6 Warranties and Representations**

**Section 1.6.1** All disclosures, representations, warranties, and certifications the Design-Builder made in its proposal in response to the RFP shall remain binding and in effect throughout the term of the Contract. The Design-Builder reaffirms that all such disclosures, representations, warranties, and certifications are true and correct.

**Section 1.6.2** If any disclosure, representation, warranty or certification the Design-Builder has made or makes pursuant to the RFP or the Contract, including, without limitation, representations concerning the Design-Builder's construction or design experience and qualifications, claims or litigation history or financial condition, is materially inaccurate, that shall constitute a material breach of the Contract, entitling the Department to all available remedies.

**Section 1.6.3** The terms and conditions of Section 1.6 shall apply during both the Preconstruction Phase and the Construction Phase.

**Section 1.7 Responsibility for Agents and Contractors.** At all times and during both the Preconstruction and Construction Phases, the Design-Builder shall be responsible to the Department for any and all acts and omissions of the Design-Builder's agents, employees, Subcontractors, Sub-Subcontractors, material suppliers, and laborers, and the agents and employees of the Subcontractors, Sub-Subcontractors, material suppliers, and laborers performing or supplying Work in connection with the Project.

## **ARTICLE 2**

### **DESIGN-BUILDER'S PRECONSTRUCTION SERVICES**

**Section 2.1 Preconstruction Services; Consultation and Analysis.** During the Preconstruction Phase, the Design-Builder shall provide such preconstruction services as are necessary to properly advance the Project. Without limiting the generality of the foregoing, during the Preconstruction Phase, the Design-Builder shall: (i) work with the Architect to advance the design for the Project in consultation with DCPS, the Department and its Program Manager; (ii) obtain bids from trade subcontractors to perform the work described in the Design Development Documents and provide bid tabulations to the Department; (iii) engage in any value engineering and scoping exercises necessary to return the cost of the work to the Project Budget; (iv) engage in preconstruction activities, including identifying any long-lead items; (v) develop a GMP proposal for the Project; and (vi) enter into a GMP for the Project. Throughout the Preconstruction Phase, the Design-Builder shall schedule and attend regular meetings with the Department, the Program Manager and the Architect/Engineer.

**Section 2.2 Design Review.** During the Preconstruction Phase, the Department shall cause the Architect to develop design documents for the Project. The Design-Builder shall work in an active and collaborative manner with the Architect/Engineer to advance the design in a manner consistent with the schedule, budget and programmatic and other requirements with the goal of developing an acceptable Guaranteed Maximum Price proposal, as is defined more fully in this Article

**Section 2.2.1 Initial Design Review.** Within two (2) weeks of notice to proceed with preconstruction services, the Design-Builder shall prepare and submit to the Department and its Program Manager the following:

- .1** a preliminary cost estimate broken down by CSI division based on the 50% design development submission;
- .2** an overall project schedule;
- .3** a memorandum that addresses key constructability concerns based on the 50% design development submission; and
- .4** a memorandum that identifies any long-lead items that could adversely affect the project schedule.

**Section 2.2.2 Subsequent Design Review.** The Design-Builder's key project manager(s) shall meet with the Architect/Engineer on a periodic and ongoing basis (but no less frequently than once a month) and to conduct an "over-the-shoulder" design review when the design development sets are complete. With regard to each of the "over-the-shoulder" design reviews, the Design-Builder shall be required to submit to the Department and its Program Manager a written memorandum that summarizes the Design-Builder's findings and recommendations with regard to the drawings for each such discipline.

### **Section 2.3 Trade Bids.**

**Section 2.3.1 Subcontractors and Suppliers; Bidding Procedures.** During the Preconstruction Phase, the Design-Builder shall seek to develop subcontractor interest in the Project. The Design-Builder shall provide to the Department a written submission on the proposed bidding procedures for the Department's review and approval. Such procedures shall include: (i) a list of proposed trades packages; (ii) a list of trade subcontractors that will be invited to bid on each such package; and (iii) a narrative description of the process.

**Section 2.3.2 Bidding.** Following the Department's approval of the design development documents, the Design-Builder shall solicit bids from trade subcontractors and suppliers based on the design development documents. **The Design-Builder shall solicit a minimum of three (3) bids for each trade package unless such package has an expected value of less than One Hundred Thousand Dollars (\$100,000) or the Department approves otherwise.** In addition to the information normally required in such bids, the Design-Builder shall also require subcontractors to provide an estimate of the percentage of labor hours performed in completing the subcontracted work which will be performed by District residents.

**Section 2.3.3 Bid Tab.** As part of the negotiations leading up to the GMP, the Design-Builder shall provide to the Department tabulations of the trade bids solicited. Such bid tabulation shall include LSDBE and Workforce utilization information in addition to price and other information and specifically identify any levelling of the bids. Such bid tabulations as well as copied of the bids shall be submitted to the Department's Program Manager. The Design-Builder represents and warrants that the bid tabs so submitted shall fairly represent the results of the subcontractor bidding process and that the Design-Builder shall not misrepresent any such data to the Department or its Program Manager.

**Section 2.3.4 Workforce Utilization.** The Department has established a minimum requirement of the percentage labor hours for the Project which must be performed by District of Columbia residents (such requirement, the "Workforce Utilization Goal") which is set forth in Section 11.2.3 of this Agreement. As part of the subcontractors' bids for the work, the Design-Builder shall require that each subcontractor submit an estimate of the total number of the hours that will be required to complete the subcontracted work, and the estimated number of hours of such work that will be performed by District residents (the "Workforce Utilization Estimate"). The Design-Builder shall submit with the bid tabulations required by Section 2.3.3 of this Agreement the Workforce Utilization Estimate provided by each subcontractor. The Design-Builder shall ensure that the Workforce Utilization Estimate is considered as part of its subcontractor selection process.

**Section 2.4 Value Engineering.** Based on the trade bids received, the Design-Builder shall prepared a written report of suggested value engineering strategies necessary to reconcile the costs of constructing the Project budget. The Design-Builder shall meet with the Department's representatives to discuss any value engineering and changes in scope necessary to ensure that the Department's schedule and programmatic requirements are met and that the budget is not exceeded. The Design-Builder shall work with the Architect to implement and price any approved value engineering strategies.

**Section 2.5** The following deliverables are required during the Preconstruction Phase.

- a. Preliminary Cost Estimate as contemplated in Section 2.2.1;
- b. Preliminary Project Schedule as contemplated in Section 2.2.1;
- c. Long Lead Item Memo and Schedule as contemplated in Section 2.2.1;
- d. Constructability Memo based on 50% Design Development set as contemplated in Section 2.2.1;
- e. Memos Regarding Over the Shoulder Design Review at 100% Design Development progress for each discipline as contemplated in Section 2.2.2;
- f. List of subcontractors from which the Design-Builder intends to solicit bids and bid procedures as contemplated in Section 2.3.1;
- g. Trade bid tabulations, including all subcontractor proposals, scope assessments and identifying required leveling as contemplated in Section 2.3.3;
- h. Report outlining value engineering strategies as contemplated in Section 2.4; and
- i. GMP proposal as contemplated in Article 3.

In the event that the Design-Builder fails to timely submit any such deliverable, the Design-Builder shall pay to the Department as liquidated damages Seven Thousand Five Hundred Dollars (\$7,500) for each such deliverable that is not timely submitted.

**Section 2.6 Letter Contract.** It is understood and agreed that certain of the preconstruction activities described herein were performed by the Design-Builder while the Letter Contract was in place, and the terms of the Letter Contract shall merge into and be superseded by this Agreement upon its execution.

### **ARTICLE 3** **FORMATION OF GMP PROPOSAL**

**Section 3.1 General.** During the Preconstruction Phase, the Department shall cause the Architect/Engineer to prepare a set of Drawings and Specifications (such Drawings and Specifications are referred to herein as the "GMP Drawings & Specifications") which shall serve as the basis of the Design-Builder's Guaranteed Maximum Price proposal (referred to as the "GMP Proposal"). The GMP Proposal shall be submitted in accordance with this Article. The Design-Builder acknowledges and understands that the GMP Drawings & Specifications will be incomplete at the time it submits its GMP Proposal, but that the Guaranteed Maximum Price proposed therein is intended to represent the Design-Builder's offer to Fully Complete the Project. If the Design-Builder's GMP Proposal is accepted by the Department, it shall be

memorialized in form of an amendment to this Contract (such amendment, the GMP Amendment”). Such amendment shall be in the form of **Exhibit A** attached hereto.

As part of the GMP Amendment, the Design-Builder shall certify that the GMP established thereby (i) contains sufficient amounts to perform all Work necessary to Fully Complete the Project; and (ii) contains sufficient amounts to provide and construct any items or facilities that are not contained in the GMP Drawings & Specifications but which are necessary for a fully functioning, state-of-the-art school facility incorporating sustainable design initiatives (LEED Gold). The Design-Builder will further covenant and agree in the GMP Amendment that it will perform all of the construction work necessary to Fully Complete the Project, including, without limitation, aspects of the Work that are not shown on the GMP Drawings and Specifications but which are a logical development of the design intent reflected in the GMP Drawings and Specifications, for an amount not to exceed the Guaranteed Maximum Price.

**Section 3.2 Review of GMP Drawings & Specifications.** The Department has selected the Design-Builder because of its special expertise in constructing similar projects. Before submitting its GMP, the Design-Builder shall review the GMP Drawings & Specifications for accuracy, constructability and completeness and shall bring such deficiencies to the attention of the Department. To the extent that any such deficiencies in the GMP Drawings & Specifications could have been identified by such review by a competent Design-Builder, such deficiencies shall not be the basis for a change in the GMP or delaying the Project Schedule. To the extent that a competent Design-Builder could not have identified such deficiencies, the Design-Builder may make a request for an equitable adjustment to the Guaranteed Maximum Price in accordance in Section 7.4 of this Agreement, provided that the Design-Builder has given timely notice of the deficiencies and has taken all reasonable steps to mitigate the cost of such deficiency.

**Section 3.3 Contingency.** The Cost of the Work shall include a Contingency, a sum established by the Design-Builder to cover, among other things costs necessary to address scope expansion that is a logical development of the design, issues arising under Section 3.2 and other costs which are properly reimbursable as Cost of the Work but not the basis for a Change Order, such as costs that were not reasonably foreseeable as of the effective date of this Agreement, including such items as emergencies, unforeseeable changes in market conditions for materials or labor, or subsurface, soils or site conditions that are not Differing Site Conditions.

During the Construction Phase, the Design-Builder shall keep the Program Manager informed as to the status of the Contingency and shall, at a minimum, (i) advise the Program Manager of any significant draws upon the Contingency in a timely manner; and (ii) provide the Program Manager with the status of the Contingency balance at least monthly. Notwithstanding the foregoing, in the event the Design-Builder seeks to draw more than five percent (5%) of the Contingency for any given draw or more than twenty percent (20%) of the initial Contingency in any given month, the Design-Builder shall first obtain the prior approval of the Program Manager. The Design-Builder shall keep records reasonably acceptable to the Department reflecting all draws against the Contingency.



**Section 3.4 Basis of Guaranteed Maximum Price.** The Design-Builder shall include with the GMP Proposal a written statement of its basis, which shall include:

- .1 A list of the GMP Drawings and Specifications, including all addenda thereto, that were used in preparation of the GMP Proposal.
- .2 A list of allowances and a statement of their bases; provided, however, that only such allowances as are agreed to by the Department shall be included.
- .3 A list of the clarifications and assumptions made by the Design-Builder in the preparation of the GMP Proposal to supplement the information contained in the Drawings and Specifications. These clarifications will include specific reference to any exclusions from the building components, systems, and furniture, fixtures & equipment (FF&E) typically required for the operation of a state of the art school facility. Such clarifications and assumptions must have been brought to the attention of Architect/Engineer, the Program Manager and the Department prior to submission of the proposal in sufficient time for any discrepancies to be reconciled.
- .4 The proposed GMP, including a statement of the detailed cost estimate organized by trade categories, allowances, Contingency, and other items and the fee that comprise the GMP.
- .5 A proposed Construction Phase Schedule which shall include, but not be limited to, the Substantial and Final Completion Dates, upon which the proposed GMP is based, and a schedule of the Construction Documents issuance dates upon which the Substantial and Final Completion Dates are based (the "Project Schedule").
- .6 An LSDBE Utilization Plan setting forth the estimated dollar volume of the work that will be performed by small, local and disadvantaged business enterprises, as certified by the Department of Small and Local Business Development, upon which the GMP is based.
- .7 A Workforce Utilization Plan setting forth, by subcontractor, the percentage participation of District residents in performing the labor necessary for the Project upon which the proposed GMP is based.

**Section 3.5 Department Review of GMP Proposal.** The Design-Builder shall meet with the Department to review the GMP Proposal and the written statement of its basis. In the event that the Department discovers any inconsistencies or inaccuracies in the information presented, the Department shall notify the Design-Builder, who shall make appropriate adjustments to the GMP Proposal, its basis or both.

**Section 3.6 Department Acceptance of GMP Proposal.** The Department and the Design-Builder shall meet to negotiate over the terms of the GMP Proposal. Unless the Department accepts the GMP Proposal in writing on or before the date specified in the proposal

for such acceptance and so notifies the Design-Builder, the GMP Proposal shall not be deemed accepted by the Department.

**Section 3.7 GMP Amendment.** Upon acceptance by the Department of the GMP Proposal, the Guaranteed Maximum Price and its basis shall be set forth in the GMP Amendment. The GMP Amendment shall be in substantially the form of **Exhibit A** hereto. In the event the Department and the Design-Builder are unable to agree upon a GMP and a Project Schedule for any reason, the Contract will be terminated and the provision of Section 14.2 shall apply. In such an event, the Design-Builder shall forfeit Fifty Percent (50%) of the Preconstruction Fee. In the event the Contract is terminated pursuant to this Section 3.7, the Department shall be free to use any of the information developed during the Preconstruction Phase to retain a new contractor to complete the Project.

### **Section 3.8 Extent of Responsibility and Site Conditions**

**Section 3.8.1** The Design-Builder does not warrant or guarantee estimates and schedules except those that are included as part of the GMP proposal, and incorporated herein. The recommendations and advice of the Design-Builder concerning design alternatives shall be subject to the review and approval of the Department and the Department's professional consultants.

**Section 3.8.2** During the Preconstruction Phase, the Design-Builder shall carefully examine all information the Department has provided concerning site conditions, including, but not limited to, soils and subsurface conditions, and shall carry out any further examinations, investigations, tests, borings, analyses and/or other studies of site conditions (including, but not limited to, surface, water, subsurface and soils conditions) that the Design-Builder deems necessary.

**Section 3.8.3** The Design-Builder will be held to have satisfied itself as to transportation, facilities, the kind of facilities required before and during construction of the Project, access, working space and to have become acquainted with the labor conditions, the ecological and environmental conditions to be followed in performing this Contract.

**Section 3.8.4** The Department expressly disclaims any representation or warranty that any information it has provided about the site is either accurate or complete. This disclaimer applies, without limitation, to any boring logs, geotechnical studies, or other data relating to site conditions, including, without limitation, soils or subsurface conditions. The Design-Builder, by entering into the Contract, agrees to assume all risks arising from site conditions, at or above the surface, foreseeable or unforeseeable, naturally occurring or man-made. The Design-Builder, however, shall be entitled to request an adjustment for Differing Site Conditions and Hazardous Materials Remediation Costs beyond those contemplated by the Contract Documents in accordance with Section 7.4 of this Agreement. (The terms "Differing Site Conditions" and "Hazardous Materials Remediation Costs" are defined in Article 16 of this Agreement.)

### **Section 3.9     Unsafe Materials and Hazardous Materials**

**Section 3.9.1**             The Design-Builder shall not bring, spill or release onto the site asbestos, PCBs, or any other Hazardous Material that is not customarily used in a facility of the type and similar to the Project, and shall bring to the Department's attention any specification of such Hazardous Materials in the design documents. If the Design-Builder believes that anything in the Contract would require that it use or bring onto the site asbestos, PCBs, or any Hazardous Material that is not customarily used in a facility of the type and similar to the Project, it shall immediately inform the Department and seek direction before proceeding.

**Section 3.9.2**             The Design-Builder shall abate Hazardous Materials on the site as necessary to complete the Work contemplated by this Agreement. The Design-Builder shall comply with all laws, including, without limitation, the requirements of the EPA and all jurisdictional agencies as well as all laws relating to safety, health welfare, and protection of the environment, in removing, treating, encapsulating, passivating, and/or disposing of Hazardous Materials, including, but not limited to, removal, treatment, encapsulation, passivation, and/or disposal of the Hazardous Materials. If any notices to governmental authorities are required, the Design-Builder shall also give those notices at the appropriate times. The Design-Builder shall ensure abatement subcontractors and disposal sites are appropriately licensed and qualified. In addition, the Design-Builder shall ensure that any subcontractors involved in the abatement of hazardous materials maintain a contractor's pollution legal liability insurance policy of at least Two Million Dollars (\$2,000,000) for the duration of the Project and a period of three (3) years after Substantial Completion of the Project, and that any disposal site to which hazardous materials are taken carries environmental impairment liability insurance for the duration of the Project and a period of three (3) years after Substantial Completion of the Project.

**Section 3.9.3**             The Design-Builder shall be entitled to submit a Change Request in accordance with Section 7.4 of this Agreement in the event the Design-Builder encounters Hazardous Materials beyond those contemplated in the GMP Drawings and Specifications.

**Section 3.9.4**             The Design-Builder shall keep detailed records documenting Work done so that the Department may independently verify compliance with all laws, the number of units actually removed, treated, and/or disposed of, and the appropriate unit price(s) applicable to the Work.

## **ARTICLE 4** **CONSTRUCTION PHASE**

**Section 4.1     General.** The Construction Phase shall commence when the Department and the Design-Builder execute the GMP Amendment for the Project. The Design-Builder shall, through Subcontractors or, with the written consent of the Department, with its own forces, perform all of the Work necessary to construct the Project so that it is complete, safe, and properly built in strict accordance with the GMP Drawings and Specifications and the other requirements of this Contract. Without limitation, the Design-Builder shall provide all of the labor, materials, tools, equipment, temporary services, and facilities necessary to complete the construction and installation of the Project. The Work shall be carried out in a good and

workmanlike, first-class manner, and in timely fashion. All materials and equipment to be incorporated into the Project shall be new and previously unused, unless otherwise specified, and shall be free of manufacturing or other defects. The Department may issue a limited notice to proceed with certain Construction Phase activities prior to execution of any GMP Amendment.

**Section 4.1.1 Unrenovated Portions of the Structure.** In constructing the Project, the Design-Builder shall ensure that the unrenovated portions of the school, including, but not limited to, building systems, are not adversely affected. All unrenovated portions of the school should function, at a minimum, at the level of functionality that existed immediately prior to the construction of the Project. If at the end of the Project any unrenovated portion of the school functions at a lower level of functionality as a result of the Design-Builder's construction of the Project, the Design-Builder shall be back-charged the costs incurred by the Department in addressing the decreased functionality.

**Section 4.2 Assignment of Design Contract; Design Services.** It is contemplated that concurrent with the execution of the GMP Amendment, the Design Contract will be assigned to the Design-Builder. Once the Design Contract is assigned, the Design-Builder shall be required to manage the design and the activities of the Architect/Engineer. The Department, in its sole and absolute judgment, will determine the exact point at which the Architect/Engineer Contract will be assigned to the Design-Builder.

- .1 The Design-Builder shall complete the design of the Project so that it reflects a logical progression of the design intent contained in the GMP Drawings and Specifications. The Design-Builder shall be required to forward copies of all construction document packages and any material change thereto to the Department. The Department shall be given a reasonable period of time, in light of the Project Schedule and the needs of the Project, to review such documents. In all cases other than time sensitive changes arising from field conditions, the Department shall be provided with at least five (5) business days to review such documents, and the Design-Builder shall not proceed with Work that is objected to by the Department. The Department can disapprove the design construction document packages for any reason; provided, however, the Design-Builder may request an adjustment to the GMP and/or the Substantial Completion Date pursuant to Section 7.4 if the Department disapproves a package unless such a package departs from the Scope of Work fairly reflected in the GMP Drawings and Specifications and in such an event the Design-Builder shall be required to prepare a revised design that complies with the GMP Drawings and Specifications and without any entitlement to an increase in the GMP or an adjustment of the Contract Time.
- .2 The Design-Builder's duties in managing the Design Contract shall include but are not limited to: (i) managing and coordinating the design work of the Architect/Engineer to ensure that the work is done in a timely manner and on schedule; (ii) directly coordinating all requests for information (RFI's) and resolving in the field where possible; (iii) ensuring that all shop drawings and

submittals are coordinated; and (iv) maintaining a timely and accurate review and return of shop drawings and submittals by the Architect/Engineer.

- .3 Notwithstanding the above, the Design-Builder shall not be responsible for performing the work of the Architect/Engineer or the aesthetic elements of the Architect/Engineer's contract; provided, however, that the Design/Builder shall ensure that the design evolves in a manner consistent with the approved design documents, the GMP and the Department's schedule and programmatic requirements for the Project. In the event of a conflict in the approved design documents, the more expensive requirement shall govern.

### **Section 4.3 Subcontracting and Administration**

**Section 4.3.1** It is contemplated that all or substantially all of the construction of the Project will be carried out by trade Subcontractors and that those trade subcontracts will be awarded through the competitive bid process contemplated in Section 2.3 of this Agreement. The trade subcontractors will be under written contracts with the Design-Builder. All subcontracts and agreements for the supply of equipment or materials awarded for the Project shall be fixed-price contracts unless otherwise expressly authorized by the Department, in writing; provided, however, that such subcontracts shall include unit prices or other appropriate contractual provisions designed to address coordination issues related to the fast-track nature of the Project and the fact that certain aspects of the Work will not have been fully designed when the subcontracts are purchased. The Design-Builder and its affiliates may not carry out trade work with its own forces without the Department's written permission, which permission may be withheld or conditioned by the Department in its sole and absolute judgment.

**Section 4.3.2** In addition to the open book reporting requirements set forth in Section 4.10, the Design-Builder shall provide to the Department a copy of all quotes or proposals submitted by potential Subcontractors.

**Section 4.3.3** The Design-Builder shall develop a purchasing strategy to address the expedited schedule and conditions of this Project and shall include appropriate provisions in the subcontracts to minimize the cost impact associated with such conditions. Such strategies may include, but are not limited to (i) obtaining from subcontractors unit price quotes for typical coordination items; (ii) setting aside allowances for coordination work; and (iii) such other techniques as may be employed by the Design-Builder.

**Section 4.3.4** The Design-Builder shall carefully document its procedures for making available bid packages to potential bidders, the contents of each bid package, discussions with bidders at any pre-bid meetings, bidders' compliance with bid requirements, all bids received, the Design-Builder's evaluations of all bids, and the basis for the Design-Builder's recommendation as to which bidders should be chosen. The Department shall be afforded access to all such records at all reasonable times so that, among other things, it may independently confirm the Design-Builder's adherence to all Contract requirements including, without limitation, affirmative action requirements and subcontracting requirements.

**Section 4.3.5** The Department may, in its sole discretion, reject any or all bids and proposals received for any bid package, and may require the Design-Builder to obtain new or revised bids or proposals.

**Section 4.3.6** The Department may, in its sole discretion, direct the Design-Builder to accept a bid from a qualified bidder other than the bidder to whom the Design-Builder recommends award of a subcontract or supply agreement. If the Department chooses this option, the Design-Builder may submit a Change Request in accordance with Section 7.4 of this Agreement for the difference between the cost of the subcontract or supply agreement awarded and the bid price of the Subcontractor or supplier recommended by the Design-Builder, but without any adjustment to the Design-Build Fee.

**Section 4.3.7** The Department must approve all Subcontractors and suppliers. The Department may elect to review the form of any subcontract or agreement with a material supplier to insure that such contract incorporates the contractual provisions required by this Agreement.

**Section 4.3.8** The Design-Builder must contract for provision of all services and materials for the Project (other than Self-Performed Work which must be authorized in advance and in writing by the Department) via written subcontracts or, for contracts requiring provision of materials or equipment only, and not labor, via written supply agreements. All subcontracts and supply agreements shall include the following provisions:

- .1 that, to the extent of the Work or supply within the agreement's scope, the Subcontractor or supplier is bound to the Design-Builder for the performance of all obligations which the Design-Builder owes the Department under the Contract;
- .2 that the Subcontractor or supplier is not in privity with the Department and shall not seek compensation directly from the Department on any third-party beneficiary, quantum meruit, or unjust enrichment claim, or otherwise, except as may be permitted by any applicable mechanic's lien law;
- .3 that the Department is a third-party beneficiary of the subcontract or supply agreement, entitled to enforce any rights thereunder for its benefit;
- .4 that the Subcontractor or supplier consents to assignment of its agreement to the Department, at the Department's sole option, if the Design-Builder is terminated for default;
- .5 that the Subcontractor or supplier shall comply immediately with a written order from the Department to the Design-Builder to suspend or stop work;
- .6 that the Subcontractor or supplier shall maintain records of all Work it is requested or authorized to do on a time and material or cost-plus basis, or with respect to claims that it has asserted on a time and materials or cost-plus basis, during the Project and for a period of time specified by the Department and

requiring the Subcontractor or supplier to make those records available for review or audit by the Department during that time;

- .7 [Intentionally omitted]
- .8 that the Subcontractor shall obtain and maintain, throughout the Project, workers' compensation insurance in accordance with the laws of the District of Columbia (This provision is not applicable to supply agreements.);
- .9 that, if the Department terminates the Contract for convenience, the Design-Builder may similarly terminate the subcontract or supply agreement for convenience, upon seven (7) days' written notice to the Subcontractor or supplier, and that the Subcontractor or supplier shall, in such a case, be entitled only to the costs set forth in the Termination for Convenience provisions of this Agreement;
- .10 that the Department shall have the right to enter into a contract with the Subcontractor or supplier for the same price as its subcontract or supply agreement price less amounts already paid, if the Design-Builder files a voluntary petition in bankruptcy or has an involuntary petition in bankruptcy filed against it;
- .11 that, if it comes to the Department's attention that a Subcontractor or supplier has not been paid in timely fashion (other than for disputed amounts), and if the Design-Builder fails to cure the problem within five (5) calendar days after the Department gives it written notice of the problem, the Department may make payments to the Subcontractor or supplier and Design-Builder by joint check;
- .12 that the Subcontractor or supplier shall not be entitled to payment for defective or non-conforming work, materials or equipment, and shall be obligated promptly to repair or replace non-conforming work, materials or equipment at its own cost;
- .13 a provision substantially similar to Section 4.3.9 of this Agreement, requiring that Subcontractors and suppliers promptly pay Subcontractors and suppliers at lower tiers, imposing upon the Subcontractors and suppliers a duty to pay interest on late payments, and barring reimbursement for interest paid to lower tier Subcontractors or suppliers due to a Subcontractor's or supplier's failure to pay them in timely fashion;
- .14 a provision requiring that all Subcontractors at all tiers comply with the provisions of Article 11 (Economic Inclusion Goals); provided, however, that the Design-Builder may, in its reasonable discretion impose a different LSDBE subcontracting goal on some or all of its Subcontractors; provided, further, however, that nothing in this provision shall be deemed to excuse the Design-Builder from using its best efforts to achieve the LSDBE subcontracting goal on an aggregate basis for the Project;

- .15 a provision which allows the Design-Builder to withhold payment from the Subcontractor if the Subcontractor does not meet the requirements of the Subcontract;
- .16 lien and claim release and waiver provisions substantially identical to those in this Agreement.

**Section 4.3.9** Within seven (7) days of receiving any payment from the Department that includes amounts attributable to Work performed, or materials or equipment supplied by a Subcontractor or supplier, the Design-Builder shall either pay the Subcontractor or supplier for its proportionate share of the amount paid to the Design-Builder for the Subcontractor's or supplier's Work or materials or equipment, or notify the Department and the Subcontractor or supplier, in writing, of the Design-Builder's intention to withhold all or part of the payment and state the reason for the withholding. All monies paid to the Design-Builder under the Contract shall be used first to pay amounts due to Subcontractors or suppliers supplying labor or materials for the Project and only money remaining after such payments are made may be used for other items such as the Preconstruction Fee, General Conditions Costs or the Design-Build Fee. Monies paid by joint check shall be deemed to have been paid fully to the Subcontractor or supplier named as a joint payee, unless the Department agrees otherwise in writing. Any interest paid to Subcontractors or suppliers because the Design-Builder has failed to pay them in timely fashion shall not be reimbursable as part of the Cost of the Work.

**Section 4.3.10** The Design-Builder shall not enter into any profit sharing, rebate, or similar arrangement with any Subcontractor or supplier at any tier with respect to the Project or the Work to be carried out for the Project.

**Section 4.3.11** The Design-Builder shall not substitute or replace any Subcontractor or supplier approved by the Department without the Department's prior written consent.

**Section 4.3.12** The Department has the right to contact Subcontractors or suppliers at all tiers, or material or equipment suppliers directly to confirm amounts due and owing to them or amounts paid to them for Work on the Project, and to ascertain from the Subcontractors or suppliers at all tiers their projections of the cost to complete their Work or to supply their material or equipment, or the existence of any claims or disputes. In doing so the Department shall not issue any directions to Subcontractors or Suppliers at any tier.

**Section 4.3.13** If it comes to the Department's attention that a Subcontractor or supplier has not been paid in timely fashion (other than for disputed amounts), and if the Design-Builder fails to cure the problem within five (5) calendar days after the Department gives it written notice of the failure to pay, the Department may make payments to the Subcontractor or supplier and Design-Builder by joint check.

**Section 4.4** **Progress Meetings.** The Design-Builder shall schedule and conduct, at a minimum, bi-weekly progress meetings at which the Department, the Architect/Engineer, the Program Manager, the Design-Builder and appropriate Subcontractors can discuss the status of the Work. The Design-Builder shall prepare and promptly distribute meeting minutes.



**Section 4.5 Written Reports.** The Design-Builder shall provide written reports to the Program Manager, on the progress of the entire Work at least monthly from Notice to Proceed until Final Completion of the Project. Such written report shall including the following elements:

- .1 Schedule Update.** Each monthly update shall reflect actual conditions of Project progress as of the date of the update. The update shall reflect the actual progress of construction, identify developing delays, regardless of their cause, and reflect the Design-Builder's best projection of the actual date by which Substantial Completion and Final Completion of the Project will be achieved. Via a narrative statement (not merely a critical path method schedule), the Design-Builder shall identify the causes of any potential delay and state what, in the Design-Builder's judgment, must be done to avoid or reduce that delay. The Design-Builder shall point out, in its narrative, changes that have occurred since the last update, including those related to major changes in the scope of work, activities modified since the last update, revised projections of durations, progress and completion, revisions to the schedule logic or assumptions, and other relevant changes. Any significant variance from the previous schedule or update shall also be identified in a narrative, together with the reasons for the variance and its impact on Project completion. All schedule updates shall be in a form reasonably acceptable to the Department. The Department may make reasonable requests during the Project for changes to the format or for further explanation of information provided. Submission of updates showing that Substantial Completion or Final Completion of the Project will be achieved later than the applicable scheduled completion date shall not constitute requests for extension of time and shall not operate to change the scheduled completion date. The Department's receipt of, and lack of objection to, any schedule update showing Substantial Completion or Final Completion later than the dates agreed upon in the Project Schedule shall not be regarded as the Department's agreement that the Design-Builder may have an extension of time, or as a waiver of any of the Department's rights, but merely as the Design-Builder's representation that, as a matter of fact, Substantial Completion or Final Completion of the Project may not be completed by the agreed upon date in the Project Schedule. Changes to the scheduled completion dates may be made only in the circumstances and only by the methods set forth in this Agreement.
- .2 Cost Update.** The monthly update shall reflect, by Guaranteed Maximum Price line item, the original line item amount, approved, pending, and projected Change Order amounts, the cost incurred to date, the projected cost to complete the Work of the line item, and any variance between the actually approved budgeted balance of the line item and the projected cost to complete. A clear distinction must be made between approved Change Orders and those merely requested or anticipated. The report shall explain all variances including "buy-outs" or final actual costs including those below their respective Guaranteed Maximum Price line item. In addition, the report must disclose any instances in which the Design-Builder has transferred amounts from one line item to another, or from the Contingency to any other line item. Neither submission of, nor the Department's

failure to reject, an update reflecting that the projected cost to complete the Project will exceed the Guaranteed Maximum Price will operate to increase the Guaranteed Maximum Price or waive the Department's right to enforce the Guaranteed Maximum Price. If the report reflects budget overruns, it must also include a recovery plan.

- .3 Economic Inclusion Report.** The monthly report shall include a detailed summary of the Design-Builder's efforts and results with respect to the economic inclusion goals set forth in this Agreement. Such report shall be in a format acceptable to the Department and shall include, at a minimum (i) the Design-Builder's overall performance with respect to the goals; (ii) a listing of subcontracts and agreements with material suppliers let by the Design-Builder and its Subcontractors during the month and the percentage of those subcontracts and agreements with material suppliers awarded to LSDBEs; (iii) a listing of subcontracts let by the Design-Builder and its Subcontractors during the month and the estimated percentage of the labor hours to be worked by District of Columbia residents pursuant to those subcontracts; and (iv) a description of the major subcontracting and supply opportunities that will be solicited during the next three (3) months and the actions being undertaken to meet the subcontracting goals.
- .4 Cash Flow Update.** If there have been any changes to the anticipated cash flow for the Project, they shall be disclosed and explained in the monthly report. If there are no such changes, the report shall so state.
- .5 Quality Assurance Report.** The monthly report shall include a detailed summary of the steps that are being employed in order to ensure quality construction and workmanship. Each report should specifically address issues that were raised by the Department and/or its Program Manager during the prior month and outline the steps that are being taken to address such issues.
- .6 Progress Photos.** The monthly report shall include updated progress photos that shall detail changes in the Work during the month.

The Design-Builder shall also maintain a daily log containing a record of weather, Subcontractors working on the site, number of workers, major equipment on the site, Work accomplished, problems encountered and other similar relevant data as the Department may reasonably require. The log shall be available to the Department, the Architect/Engineer and the Program Manager.

**Section 4.6 Cost Control System.** The Design-Builder shall maintain accurate records of the Cost of the Work and shall identify variances between actual and estimated costs and report the variances to the Department and the Program Manager at regular intervals.

**Section 4.7 Key Personnel.**

**Section 4.7.1** To carry out its duties, the Design-Builder shall provide at least the key personnel identified in **Exhibit E** to this Agreement, who shall carry out the functions identified in the Exhibit. Among other things, the Key Personnel shall include the project managers that will be responsible for managing the Work related to the Project's structural, mechanical, electrical and special systems. It is contemplated that these project managers will work from the design stage, purchasing and throughout the bulk of the field work. The Design-Builder's obligation to provide adequate staffing is not limited to providing the key personnel, but is determined by the needs of the Project. The Design-Builder shall not replace any of the key personnel without the Department's prior written approval, which shall not be unreasonably withheld. If any of the key personnel become unavailable to perform services in connection with the Contract due to death, illness, discharge or resignation, then the Design-Builder shall promptly appoint a replacement acceptable to the Department. The Department shall be entitled to complete information on each such replacement, including a current resume of his or her qualifications and experience.

**Section 4.7.2** In each instance where the Design-Builder removes or reassigns one of the key personnel listed in **Exhibit E** (but excluding instances where such personnel become unavailable due to death, disability, or separation from the employment of the Design-Builder or any affiliate of the Design-Builder) without the prior written consent of the Department's Designated Representative, the Design-Builder shall pay to the Owner the sum of Twenty Five Thousand Dollars (\$25,000) as liquidated damages and not a penalty, to reimburse the Department for its administrative costs arising from the Design-Builder's failure to provide the key personnel. The foregoing liquidated damage amount shall not bar recovery of any other damages, costs or expenses other than the Department's internal administrative costs. In addition, the Department shall have the right, to be exercised in its sole discretion, to remove, replace or to reduce the scope of services of the Design-Builder in the event that a member of the key personnel has been removed or replaced by the Design-Builder without the consent of the Department. In the event the Department exercises the right to remove, replace or to reduce the scope of services of the Design-Builder, the Department shall have the right to enforce the terms of this Agreement and to keep-in-place those members of the Design-Builder's team not removed or replaced and the remaining members shall complete the services required under this Agreement in conjunction with the new members of the Design-Builder's team approved by the Department.

**Section 4.8 Qualified Personnel/Cooperation.** The Design-Builder shall employ on the Project only those employees and Subcontractors who will work together in harmony and who will cooperate with one another on the Project. The Design-Builder shall enforce strict discipline, good order and harmony among its employees and its Subcontractors and shall remove from the site any person who is unfit for the work or fails to conduct himself in a proper and cooperative manner. If the Department requests removal of any person as unfit or as having behaved inappropriately, the Design-Builder shall promptly comply.

**Section 4.9 Warranty.** The Design-Builder warrants to the Department that materials and equipment furnished under the Contract Documents will be of good quality and new unless otherwise required or permitted by the Contract Documents, that for the one (1) year period following the Substantial Completion Date the construction work will be free from

defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. The Design-Builder's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Design-Builder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. The Design-Builder and a representative of the Department shall walk the Project together eleven (11) months after the Substantial Completion Date to identify any necessary warranty work.

**Section 4.10 Open Book Reporting.** The Design-Builder shall maintain an open book reporting system with the Department, allowing the Department or its consultants access to the Design-Builder's Subcontractors and material suppliers, invoices, purchase orders, Change Order estimates, records for Self-Performed Work, and other relevant documentation and sources of information concerning the Work or costs. The Department shall not use its access to the Subcontractors to give instructions or directions to them. All instructions or directions shall be given only to the Design-Builder.

**Section 4.11 Claims for Additional Time.**

**Section 4.11.1** Time is of the essence of this Contract.

**Section 4.11.2** The Design-Builder will perform the Work so that it shall achieve Substantial Completion by the Substantial Completion Date. Unless the failure to achieve Substantial Completion by the Substantial Completion Date is a result of an Excusable Delay, as defined in Section 4.11.3, the delay shall be deemed Non-Excusable, and the Design-Builder shall not be entitled to an extension of time. Without limiting the generality of the foregoing, delays for the following reasons shall be regarded as Non-Excusable and shall not entitle the Design-Builder to an extension of time:

- .1 Delays due to job site labor disputes, work stoppages, or suspensions of work;
- .2 Delays due to adverse weather, unless the Design-Builder establishes that the adverse weather was of a nature and duration in excess of averages established by data from the U.S. Department of Commerce, National Oceanic and Atmospheric Administration for the Project locale for the ten (10) years preceding the effective date of the Contract. For purposes of this clause, weather shall only be deemed "adverse" if the weather in question was more severe than that encountered at the Project site over the last ten (10) years for the month in question. Such determinations shall be made based on the number of rain/snow days or the cumulative precipitation total for the month in question. Notwithstanding the foregoing, named storms shall conclusively be deemed "adverse";
- .3 Delays due to the failure of the Design-Builder or Subcontractors or material suppliers at any tier to perform in timely or proper fashion, without regard to concepts of negligence or fault; or
- .4 Delays due to Site conditions whether known or unknown as of the effective date of the Contract, foreseeable or unforeseeable at that time, naturally occurring or

man-made; provided, however, that delays due to Differing Site Conditions shall be deemed an Excusable Delay.

**Section 4.11.3** The Design-Builder shall be entitled to an adjustment in the Substantial Completion Date due to an Excusable Delay. The term “Excusable Delay” shall mean:

- .1 Delays due to adverse weather other than those that are classified as a Non-Excusable delay in accordance with Section 4.11.2.2 of this Agreement;
- .2 Delays due to acts of God, war, unavoidable casualties, civil unrest, and other similar causes of delay that are beyond the control of the Design-Builder; provided, however, that in no event shall a Non-Excusable delay or the action of the Design-Builder, or any of its employees, agents, Subcontractors or material suppliers be deemed an Excusable Delay; or
- .3 Delays caused by Differing Site Conditions or Hazardous Materials remediation.

In addition to the forgoing, a delay shall be deemed to be an Excusable Delay only to the extent that such delay (i) warrants an extension in the Substantial or Final Completion Date; (ii) has not been caused by the Design-Builder or any of its employees, agents, Subcontractors or material suppliers; (iii) is of a duration of not less than three (3) days; (iv) is on Project’s critical path; and (v) is in addition to any time contingency periods set forth in the critical path.

**Section 4.11.4** If the Design-Builder wishes to make a claim for an increase in the Contract Time, written notice as provided herein shall be given. The Design-Builder’s claim shall include an estimate of the cost and of the probable effect of delay on the progress of the Work. In the case of continuing delay, only one claim is necessary.

**Section 4.11.5** In no event shall the Design-Builder be entitled to an increase in the GMP, the Preconstruction Fee, the Design-Build Fee, or the Maximum Cost of General Conditions as a result of either an Excusable or Non-Excusable Delay.

#### **Section 4.12 Site Safety and Clean-Up.**

**Section 4.12.1** The Design-Builder will be required to provide a safe and efficient site, with controlled access. Prior to the start of the Construction Phase, the Design-Builder shall prepare a safety plan for the Construction Phase conforming to OSHA 29 CFR 1926. The Design-Builder shall abide by such safety plan during the Construction Phase.

**Section 4.12.2** The Design-Builder shall be required to provide wheel washing stations on site so as to prevent the accumulation of dirt and other refuse on the streets surrounding the Project site.

**Section 4.12.3** The Design-Builder shall be responsible for site security and shall be required to provide such watchman as are necessary to protect the site from unwanted intrusion.

**Section 4.12.4** The Design-Builder shall be responsible for the cost of temporary power

used during the construction of the Project, including, but not limited to, the cost of installing such temporary wiring as may be required to bring power to the site. The Design-Builder shall also be responsible for the cost of all temporary construction necessary on the site.

#### **Section 4.13 Close-out & FF&E.**

**Section 4.13.1** The Design-Builder shall be responsible for purchasing and providing FF&E. A detailed list of FF&E requirements will be developed during the Preconstruction Phase.

**Section 4.13.2** The Design-Builder shall be required to prepare and submit at close-out a complete set of product manuals, warranties, etc. The Design-Builder shall also provide the Department with a complete set of its Project files, including, but not limited to, shop drawings, etc., at close out so as to assist the Department and/or DCPS in operating the building. The Design-Builder shall prepare and submit all documents and materials contemplated by this Section 4.13.2 in accordance with “DGS Projects Turnover Protocol Manual” dated May 2013 Revision 0.0. In addition, at the beginning of the first heating and cooling season following turnover of the Project, the Design-Builder shall be available to assist with, and train the building engineers and staff in the start-up of the building systems for the new weather cycle.

**Section 4.13.3** An allowance for cleaning and other move-in services as directed by the Department shall be included in the GMP. This allowance is in addition to cleaning services that would otherwise be required by the Design-Builder, including, but not limited to, the obligation to deliver a broom clean building at the end of construction.

**Section 4.14 Control of the Site.** The Design-Builder shall take control of the site immediately after the site has been vacated and shall install the necessary construction fences and other devices to properly secure the site.

**Section 4.15 Salvaged and Stored Items.** The Design-Builder shall be responsible for salvaging and storing all items as identified by the Department.

**Section 4.16 Sediment and Erosion Control.** The Design-Builder shall be responsible for installing sediment and erosion control measures, inclusive of, but not limited to: silt fencing, inlet protection, stabilized construction entrances, and other control measures.

**Section 4.17 Quality Control.** The Design-Builder shall be responsible for all activities necessary to manage, control, and document work to ensure compliance with Contract Documents. The Design-Builder’s responsibility includes ensuring adequate quality control services are provided by the Design-Builder’s employees and its subcontractors at all levels. The work activities shall include safety, submittal management, document reviews, reporting, and all other functions related to quality construction.

The Design-Builder shall implement a Quality Control Plan for the Project. A draft of such plan shall be submitted to the Department, and a final plan shall be agreed upon and approved by the Department’s Program Manager prior to commencing of the Work in the field.

The Quality Control Plan shall be tailored to the specific products/type of construction activities contemplated by the GMP Basis Documents, and in general, shall include a table of contents, quality control team organization, duties/responsibilities of quality control personnel, submittal procedures, inspection procedures, deficiency correction procedures, documentation process, and a list of any other specific actions or procedures that will be required for key elements of the Work.

During the construction phase, the Design-Builder shall perform regular quality control inspections and create reports based on such inspections. These quality control reports shall be provided to the Department electronically on a monthly basis. The Design-Builder shall incorporate a quality control section in the progress meetings to discuss outstanding deficiencies, testing/inspections, and upcoming Work. The monthly report shall include a detailed summary of the steps that are being employed to provide quality construction and workmanship. The monthly report should specifically address issues raised during the month and outline the steps that are being used to address such issues.

**Section 4.18     Acceleration.** Subject to the terms of this Section 4.18, the Department shall have the right to direct the Design-Builder to accelerate the Work if, in the reasonable judgment of Department, the Design-Builder fails to: (i) supply a sufficiency of workers or to deliver the materials or equipment with such promptness as to prevent the delay in the progress of the Work; or (ii) the progress of the Work materially falls behind the projections contained in the then currently approved Project Schedule. In the event that the Department or its Program Manager determine that either of the events specified in the preceding sentence have occurred, the Department shall provide the Design-Builder with written notice of such event and the Design-Builder shall be required to provide the Department with a corrective action plan that is reasonably designed to address the concerns raised in such notice within three (3) days after receipt of such notice. If the Department and the Design-Builder are unable to agree on the terms of such corrective action plan within five (5) days after the issuance of the notice (i.e. with forty eight (48) hours after the receipt of the proposed corrective action plan), the Department shall have the right to direct such acceleration as the Department, in its reasonable judgment, deems necessary. Provided the notice provisions of this Section are complied with, the cost of any acceleration directed under this Section shall not justify an adjustment to the GMP on the Substantial Completion Date.

Given the nature of the Project and the fact that there is a fixed date upon which DCPS plans to commence the school year, the Design-Builder hereby: (i) acknowledges that this provision is a material inducement upon which the Department has relied in entering into this Agreement; and (ii) represents and warrants that it has included sufficient funding in its GMP in order to comply with the requirements of this Section.

**Section 4.19     Corrective Action Plan.** Subject to the terms of this Section 4.19, the Department shall have the right direct the Design-Builder to revise the provisions of its Quality Control Plan if, in the reasonable judgment of the Department, the craftsmanship of the Work being installed fails to comply with generally applicable industry standards, requirements set forth in the Specifications that are reasonably related to the quality of craftsmanship quality, or any provisions set forth in this Agreement. In the event that the Department or its Program Manager determine that any of the events specified in the preceding sentence have occurred, the

Department shall provide the Design-Builder with written notice of such event and the Design-Builder shall be required to provide the Department with a corrective action plan that is reasonably designed to address the concerns raised in such notice within three (3) days after receipt of such notice. If the Department and the Design-Builder are unable to agree on the terms of such corrective action plan within five (5) days after the issuance of the notice (i.e. within forty eight (48) hours after the receipt of the proposed corrective action plan), the Department shall have the right to direct such corrective action measures as the Department, in its reasonable judgment, deems necessary. Such directive may include adjustments to the procedural provisions set forth in the Quality Control Plan and/or impose additional requirements on the manner in which Work is being installed. Provided the notice provisions of this Section are complied with, the cost of any such corrective action directed under this Section shall not justify an adjustment to the GMP on the Substantial Completion Date.

## **ARTICLE 5**

### **DEPARTMENT'S RESPONSIBILITIES**

**Section 5.1 Information and Services.** The Department shall provide information regarding the requirements of the Project, including a program which sets forth the Department's objectives, constraints and criteria, including space requirements and relationships, flexibility and expandability requirements, special equipment and systems, and site requirements.

**Section 5.2 Department's Designated Representative.** The Department designates the individual(s) identified in **Exhibit F** as its representative(s) with express authority to bind the Department with respect to all matters requiring the Department's approval or authorization. Subject to the limitations on their authority specified in this Section 5.2, these representative(s) shall have the exclusive authority to make decisions on behalf of the Department concerning estimates and schedules, construction budgets, changes in the Work, and execution of Change Orders or Change Directives, and shall render such decisions promptly and furnish information expeditiously, so as to avoid unreasonable delay in the services or Work of the Design-Builder. In order for the Department to effectively manage the Project and assure that the Design-Builder does not receive conflicting instructions regarding the Work, the Design-Builder shall promptly notify the Department's representative upon receiving any instructions or other communication in connection with the Design-Builder's Work from any employee of the Department or other purported agent of the Department other than the Department's representative.

**Section 5.3 Design-Builder's Designated Representative.** The Design-Builder designates the individual(s) identified in **Exhibit G** as its representative with express authority to bind the Design-Builder with respect to all matters requiring the Design-Builder's approval or authorization. In addition, the Department retains the right to approve candidates for key on-site personnel in accordance with their experience with similar projects and local marketplace conditions. Once approved, individuals cannot be changed without the Department's prior approval. During the entire term, it is agreed that the Design-Builder's designated representative will devote his time exclusively to the Project, unless the Department consents to a reduction in time. All services provided by the Design-Builder shall be performed in accordance with the highest professional standards recognized and adhered to by Design-Builders that build first-class state-of-the-art schools in large urban areas.



**ARTICLE 6**  
**COMPENSATION AND PAYMENTS FOR PRECONSTRUCTION  
PHASE SERVICES**

**Section 6.1    Compensation**

**Section 6.1.1** The Department shall compensate and make payments to the Design-Builder for Preconstruction Services in accordance with this Article 6 and Article 9. For Preconstruction Services, the Design-Builder's compensation shall be [AMOUNT] (the "Preconstruction Fee"). The Preconstruction Fee shall be the Design-Builder's sole compensation for Preconstruction Phase Services, and was released through a Letter Contract. Among other things, the Preconstruction Fee includes amounts necessary to compensate the Design-Builder for preconstruction reviews and estimating, home office overhead and profit

**Section 6.2    Payments**

**Section 6.2.1** Payments for Preconstruction Phase Services shall be made monthly following presentation of the Design-Builder's invoice and shall be in proportion to services performed. In no event, however, will the aggregate of the Design-Builder's monthly invoices for Preconstruction Phase Services exceed the Preconstruction Fee. Further, the Design-Builder shall not be paid more than one half of the Preconstruction Fee prior to the agreement on a GMP for the Project.

**Section 6.2.2** Payments are due and payable in accordance with Article 9 of this Agreement. Amounts unpaid after the date of which payments due shall bear interest in accordance with the Quick Payment Act.

**ARTICLE 7**  
**COMPENSATION FOR CONSTRUCTION PHASE SERVICES**

**Section 7.1    Compensation**

**Section 7.1.1** The Department shall compensate and make payments to the Design-Builder for Construction Phase Services in accordance with this Article 7 and Article 9. For Construction Phase Services, the Design-Builder's compensation shall be [AMOUNT]. The Design-Builder acknowledge and agrees that forty percent (40%) of the Design-Build Fee (the "At Risk Portion") is at risk, and the Design-Builder shall only be entitled to the At Risk Portion as set forth in Section 7.1.2.

**Section 7.1.2** The Design-Builder may earn the At Risk Portion of the Design Build Fee as follow:

- .1** If a GMP is agreed upon by the Design-Builder and the Department on or before May 30, 2016, the Design-Builder shall earn twenty five percent (25%) of the At Risk Portion of the Design-Build Fee.

- .2 If the Design-Builder achieves Substantial Completion of the Project on or before July 31, 2017, the Design-Build Fee shall earn twenty five percent (25%) of the At Risk Portion of the Design-Build Fee. In determining whether this objective has been met, the Department will evaluate whether the stated objective has, in fact, been achieved. This decision shall be made regardless of the reason why the objective has or has not been met, and the Design-Builder acknowledges and agrees that the Design-Builder shall lose entitlement to such portion of the Design-Build Fee even if objective is not met due to the fault of the Department, the Architect/Engineer, the Code Official, events of force majeure or otherwise;
- .3 The Design-Builder shall be eligible to earn up to twenty five percent (25%) of the At Risk Portion of the Design-Build Fee based on the level of design quality of the Project as delivered (such amount the "Design Quality Incentive"). The Design-Builder and the Department agree that this portion of the Design-Build Fee shall be awarded by an award fee panel that consists of: (i) the Department's Deputy Director for Capital Construction; (ii) the Principal of the School; and (iii) a senior member of the Program Management team that was not involved in the day-to-day management of this Project that is acceptable to both Parties. Upon Substantial Completion, the award fee panel shall meet and determine the degree to which the Project as delivered complied with the design intent (both as to functionality, look and feel of the interior spaces, and its external appearance) of the design as reflected in the GMP Drawings and Specifications. In making this determination, the panel shall endeavor to reach a consensus among its members and ascribe one of the following four words to the overall success of the design intent: poor, fair, good or excellent.

If the panel determines that the overall level of success was poor, then the panel shall award Zero Dollars (\$0); if the panel determines that the overall level of success was fair, then the panel shall award one third (1/3) of the Design Quality Incentive; if the panel determines that the overall level of success was good, then the panel shall two thirds (2/3) of the Design Quality Incentive; and if the panel determines that the overall level of success was excellent, then the panel shall award all of the Design Quality Incentive. In the event the panel cannot reach consensus, then each member of the panel shall make a determination and the three such determinations shall be averaged with poor equating to 0% of the Design Quality Incentive, fair equating to 33% of the Design Quality Incentive, good equating to 67% of the Design Quality Incentive, and excellent equating to 100% of the Design Quality Incentive. Both the Design-Builder and the Department agree that the determination of the panel shall be final and binding upon all Parties.

- .4 The Design-Builder shall be eligible to earn up to twelve and one half percent (12½%) of the At Risk Portion of the Design-Build Fee based on the level of construction quality of the Project as (such amount the "Construction Quality Incentive"). The award fee panel established by Section 7.1.2.3 of this

Agreement shall determine entitlement to the Construction Quality Incentive. Upon Final Completion of the Project, the award fee panel shall meet and determine the degree to which the workmanship and construction quality of the Project is appropriate for a first-class building, giving consideration to the intended uses of the various spaces. In making this determination, the panel shall endeavor to reach a consensus among its members and ascribe one of the following four words to the overall success of the construction quality: poor, fair, good or excellent.

If the panel determines that the overall level of success was poor, then the panel shall award Zero Dollars (\$0); if the panel determines that the overall level of success was fair, then the panel shall award one third (1/3) of the Construction Quality Incentive; if the panel determines that the overall level of success was good, then the panel shall two thirds (2/3) of the Construction Quality Incentive; and if the panel determines that the overall level of success was excellent, then the panel shall award all of the Construction Quality Incentive. In the event the panel cannot reach consensus, then each member of the panel shall make a determination and the three such determinations shall be averaged with poor equating to 0% of the Construction Quality Incentive, fair equating to 33% of the Construction Quality Incentive, good equating to 67% of the Construction Quality Incentive, and excellent equating to 100% of the Construction Quality Incentive. Both the Design-Builder and the Department agree that the determination of the panel shall be final and binding upon all Parties.

- .5 If the Design-Builder achieves the Workforce Utilization Goal as established in Section 11.2.3 of this Agreement, the Design-Builder shall earn (12½%) of the At Risk Portion of the Design-Build Fee.

**Section 7.2 Maximum Cost of General Conditions.** The Design-Builder shall not be entitled to recover more than [AMOUNT] for the Cost of General Conditions (such amount, the “Maximum Cost of General Conditions”). The Design-Builder understands and agrees that the Maximum Cost of General Conditions shall not be increased or decreased as a result of Change Orders or Change Directive unless such Changes (i) extend the duration for the Construction Phase for the base building beyond Labor Day of 2017; and (ii) the Design-Builder can demonstrate to the satisfaction of the Department that such additional Cost of General Conditions are reasonable. To the extent the Design-Builder incurs General Conditions costs in excess of the Maximum Cost of General Conditions, the Design-Builder shall not be entitled to reimbursement for such amounts. Nonetheless, in such an event, the Design-Builder exceeds the Maximum Cost of General Conditions, the Design-Builder shall be required to adequately staff the Project.

**Section 7.3 Initial Not-to-Exceed Amount.** Unless and until the GMP Amendment is executed and approved by the Council for the District of Columbia, this Contract shall have a not-to-exceed amount of [AMOUNT] (the “Initial Not-to-Exceed Amount”). In no event shall the Design-Builder be entitled to recover more than such amount unless the Design-Builder is authorized to exceed such amount by the Department in advance and in writing. Prior to

expending or committing any portion of the Initial Not-to-Exceed Amount, the Design-Builder shall obtain the Department's written approval of such expenditure or commitment.

#### **Section 7.4 Changes in The Work.**

**Section 7.4.1 Changes Authorized.** The Department may, without invalidating the Contract, and without notice to or approval of any surety, order changes in the Work, including additions, deletions or modifications. Any such change must be conveyed by the Department to the Design-Builder via written Change Directive or Change Order.

**Section 7.4.2 Executed Change Directive/Change Order Required.** Only a written Change Directive or Change Order, executed by the Department, may make changes to the Contract. In particular, but without limitation, a written Change Directive or Change Order executed by the Department is the only means by which changes may be made to the Substantial or Final Completion Date, the Preconstruction Fee, the Design-Build Fee, the Maximum Cost of General Conditions, or the Guaranteed Maximum Price.

#### **Section 7.4.3 Department-Initiated Changes**

- .1** If the Department wishes to make a change in the Work or to accelerate the Work, it will execute and issue to the Design-Builder a written Change Directive, either directing the Design-Builder to proceed at once with the changed Work or directing it to not to proceed, but to inform the Department, in writing, of the amount, if any, by which the Design-Builder believes that Substantial or Final Completion Date and/or the Guaranteed Maximum Price should be adjusted to take the Change Order or Change Directive into account.
- .2** Within ten (10) days of receiving a Change Directive, the Design-Builder shall provide the Department with a written statement of all changes in the Contract, including, without limitation, any changes to the Substantial or Final Completion Date or the Guaranteed Maximum Price to which it believes it is entitled as a result of the Change Directive. If additional time is sought, a schedule analysis supporting the requested extension should be included. The schedule analysis should include a written narrative explanation. If a change in the Guaranteed Maximum Price is sought (or if the Department has requested a deduct change), the statement should include a breakdown, by line item, of the estimated cost changes attributable to the proposed change. The Department may request, and the Design-Builder shall provide, further cost breakdowns, clarifications, documentation or back-up if the Department reasonably believes such additional information is needed to understand and evaluate the request. The additional information required may include cost and pricing data in accordance with the Department's regulations. Any requested adjustment to the Guaranteed Maximum Price shall be limited to increased Cost of the Work due to the Change Directive. The Design-Builder is not entitled to any markup on any kind of change orders except as authorized in Section 7.4.8, and if so authorized, any

mark-up shall be in accordance with Section 7.4.11. All deductive Change Orders shall include a corresponding reduction in the Design-Build Fee.

- .3 If the Department has not yet directed the Design-Builder to proceed with the Change described by a Change Directive, the Department may rescind it. If the Department wishes to proceed, or has already directed the Design-Builder to proceed, the Design-Builder shall immediately proceed with the changed Work and, the Department and the Design-Builder shall use their good faith best efforts to reach an agreement upon the modifications to the Substantial or Final Completion Date, and/or the Guaranteed Maximum Price that are justified by the Change Directive. If the Department and the Design-Builder reach agreement, the agreement shall be set forth in a Change Order and the Design-Builder shall also execute it, at which point it will become binding on both Parties.
- .4 If the Parties fail to reach an agreement within sixty (60) days after the Department receives the Design-Builder's detailed statement pursuant to Subparagraph 7.4.3.2, and such other documentation as the Department may request, the Design-Builder may assert a claim in accordance with this Agreement. In such a case, and subject to adjustment via the claims and disputes process, the Department may unilaterally grant the Design-Builder such adjustments, if any, to the Substantial or Final Completion Date, the Guaranteed Maximum Price, and/or the Preconstruction or Design-Build Fee or the Maximum Cost of General Conditions as the Department has judged to be appropriate.

**Section 7.4.4 Notice of Change Event.** The Design-Builder must give the Department written notice of any Change Event within ten (10) calendar days of the date on which the Design-Builder knew, or reasonably should have known, of the Change Event. To the extent available, the notice must state the nature of the Change Event and describe, generally, all changes in the Contract to which the Design-Builder believes it is entitled. Such notice is an express condition precedent to any claim or request for adjustment to the Substantial or Final Completion Date, or the Guaranteed Maximum Price arising from the Change Event and, if the notice is not given within the required time, the Design-Builder will have waived the right to any adjustment to the Substantial or Final Completion Date, or the Guaranteed Maximum Price arising from the Change Event.

**Section 7.4.5 Detailed Change Request.** Within twenty (20) days after giving notice of a change event, the Design-Builder shall submit a written change request describing, in reasonable detail, all adjustments it seeks to the Substantial or Final Completion Date or the Guaranteed Maximum Price as a result of the Change Event. The change request shall include the same information as described in Subparagraph 7.4.3 with respect to any Contract changes the Design-Builder seeks due to the Change Event, and the amount of any requested adjustment to the Guaranteed Maximum Price shall be limited in accordance with that Subparagraph.

**Section 7.4.6 Changes to GMP.** Subject to the condition precedent that the Design-Builder have complied with the notice and documentation provisions of this Article, and subject

to the limitations stated in this Agreement, the Design-Builder is entitled to an adjustment to the Guaranteed Maximum Price in the following cases:

- .1 If the Department issues a Change Directive or Change Order that directs the Design-Builder to proceed with work which is beyond the scope of Work included herein; or
- .2 The Design-Builder encounters Differing Site Conditions or Hazardous Materials not identified in the Preconstruction Phase.

**Section 7.4.7 Deductive Change Orders.** The Department is likewise entitled to issue deductive Change Orders (reducing the Guaranteed Maximum Price or the Substantial or Final Completion Date) when changes are effected, by Change Directive or otherwise, which will decrease the cost of completing the Work or the time within which it can be completed.

**Section 7.4.8 No Adjustments to Fee.** It is the Department's intent to engage the Design-Builder to put into place the Work necessary to implement the schematic design that was issued as part of the RFP process over the approximately thirteen and a half (13½) month period between mid-June 2016 and then end of July . The Design-Builder shall be entitled to an upward adjustment to the Design-Build Fee at the time the GMP is established to the extent, and only to the extent, that: (i) the Department makes additions to the scope that, when measured relative to the schematic design, cause the GMP to exceed the Design-Builder's original cost estimate by more than ten percent (10%); or (ii) the Department makes additions to the scope provided for herein which (other than for punchlist or warranty work) require the Design-Builder's services at the Project School to extend beyond Labor Day of 2017. With regard to Change Orders issued after the GMP is established, the Design-Builder shall be entitled to an increase in the Design-Build Fee to the extent, and only to the extent, that: (i) the Department has added a new programmatic element to the Project; or (ii) the Department made additions to the GMP scope which (other than punchlist or warranty work) require the Design-Builder's services at the Project to extend beyond Labor Day of 2017.

**Section 7.4.9 Executed Change Orders Final.** The Design-Builder agrees that any Change Order executed by the Department and Design-Builder constitutes its full and final adjustment for all costs, delays, disruptions, inefficiencies, accelerations, schedule impacts, or other consequences arising from the change in question, whether a Change Directive, or a Change Event, or from any claimed cumulative effect of changes made to the date of the Change Order, and that no further adjustments in compensation or time shall be sought or made with respect to the Change Directive or the Change Event giving rise to the Change Order. Although the Parties anticipate that most Change Orders will not require an adjustment to the Cost of General Conditions, if the Work described in a Change Order requires an increase or decrease in the Cost of General Conditions (i.e. because such a Change requires additional field staff or other equipment that would be classified as a General Conditions Cost which are included in the Design-Build Fee), the Change Order shall contain an increase to the Design-Build Fee adjusting such amount. If extended General Conditions Costs are included in a Change Order, the actual staff time expended shall be charged at the rates set forth on **Exhibit D.** The cost of processing a

Change Order shall not be considered an event that will require an increase in the Cost of General Conditions.

**Section 7.4.10 Failure to Agree.** If the Design-Builder claims entitlement to a change in the Contract, and the Department does not agree that any action or event has occurred to justify any change in time or compensation, or if the Parties fail to agree upon the appropriate amount of the adjustment in time or compensation, the Department will unilaterally make such changes, if any, to the Contract, as it determines are appropriate pursuant to the Contract. The Design-Builder shall proceed with the Work and the Department's directives, without interruption or delay, and shall make a claim as provided in Article 12. Failure to proceed due to a dispute over a change request shall constitute a material breach of the Contract and entitle the Department to all available remedies for such breach, including, without limitation, termination for default.

**Section 7.4.11 Mark-Up on Trade Work.** The maximum mark up for change order work shall be as follows:

- .1 For Work performed by a Subcontractor with its own forces, the Subcontractor shall be entitled to a mark-up of not more than fifteen percent (15%) (covering home office overhead, the cost of insurance and bonds, field supervision, general conditions and profit) on the Direct Costs of the Work. For Work that the Owner permits the Design-Builder to self-perform, the Design-Builder shall also be entitled to a mark-up of not more than fifteen percent (15%) of the Direct Cost of the Work. With regard to any such Work that is self-performed by the Design-Builder, the markup contemplated in this Section 7.4.11.1 shall be the Design-Builder's exclusive compensation and it shall not be entitled to the markup contemplated in Section 7.4.11.3;
- .2 Intervening tier Subcontractors shall be entitled to a mark-up of five percent (5%) (covering home office overhead, the cost of insurance and bonds, field supervision, general conditions and profit) on Work Performed by lower-tier Subcontractors;
- .3 To the extent permitted by Section 7.4.8, the Design-Builder shall be entitled to an increase in its Design-Build Fee at a rate of [Design-Build Fee divided by (\$31,700,000 minus Design-Build Fee minus Preconstruction Fee minus General Conditions Budget)] on work perform by Subcontractors;
- .4 In no event shall the maximum mark-up on the Direct Cost of the Work exceed twenty five percent (25%).

Direct Cost of the Work shall mean labor, material and other costs reasonably and necessarily incurred in the proper performance of the Work as approved by the Owner. Such costs do not include, however, home office overhead, field supervision, general conditions or profit of either the Subcontractor or the Design-Builder. No personnel above the level of a working foreman shall be considered a Direct Cost of the Work.

**ARTICLE 8**  
**COST OF THE WORK FOR CONSTRUCTION PHASE**

**Section 8.1 Cost of the Work.** The term “Cost of the Work” shall mean the costs necessarily incurred by the Design-Builder in the proper performance of the Work and shall include only the following:

- .1** Payments made by the Design-Builder to Subcontractors and suppliers, but only in accordance with the subcontracts and supply agreements (“Subcontractor Costs”);
- .2** The Cost of General Conditions, subject however to the Maximum Cost of General Conditions;
- .3** All amounts due to the Design-Builder under the terms of the Department's written authorization for the Design-Builder to perform any portion of the Work as Self-Performed Work. If an authorization for the Design-Builder to engage in Self-Performed Work is not on a fixed-price basis, then, as to that Work, the following costs shall be within the Cost of the Work:
  - (a) Labor.** Properly documented wages actually paid to Project foremen, construction workers, and other personnel in the direct employ of the Design-Builder, while engaged in approved Self-Performed Work, together with contributions, assessments, payroll taxes, or fringe benefits required by the laws or applicable collective bargaining agreements.
  - (b) Incorporated Materials.** The cost, net of trade discounts, of all materials, products, supplies and equipment incorporated into the Self-Performed Work, including, without limitation, costs of transportation and handling.
  - (c) Unincorporated Materials.** The cost of materials, products, supplies and equipment not actually installed or incorporated into the Self-Performed Work, but required to provide a reasonable allowance for waste or spoilage, subject to the Design-Builder's agreement to turn unused excess materials over to the Department at the completion of the Project or, at the Department's option, to sell the material and pay the proceeds to the Department or give the Department a credit in the amount of the proceeds against the Cost of the Work.
- .4** Royalty and license fees paid for use of a design, process or product, if its use is required by this Contract or has been approved in advance by the Department;
- .5** Fees for obtaining all required approvals or permits associated with the abatement, demolition, utilities abandonment, and utility relocation, as well as all



trade permit fees. The Department shall be responsible for the building permit fees;

- .6 Cost of the Architect/Engineer's contract assigned to the Design-Builder, reimbursed at cost and without markup;
- .7 All fees and other costs necessarily incurred to carry out testing and inspection required by the Contract or applicable laws, or otherwise to maintain proper quality assurance. The costs the Design-Builder incurs to schedule and coordinate any additional testing and inspections the Department may decide to conduct itself shall be within Cost of the Work unless the additional testing establishes that the Work tested was defective or otherwise failed to satisfy Contract requirements, in which case the Design-Builder shall pay the costs, without reimbursement;
- .8 All bonds to jurisdictional agencies (utilities, storm water management, land disturbance, and grading); and
- .9 All performance and payment bonds and general liability insurance.

**Section 8.2 Cost of General Conditions.** Items included in the Cost of General Conditions are all items necessary to perform Construction Phase Services described herein including, but not limited to:

- .1 Cost of construction staff (only staff stationed in the field is reimbursable; however, exceptions will be made for scheduling, cost estimating and accounting services if such functions are normally provided by the Design-Builder's regional and/or home office personnel)
- .2 Fringe Benefits associated with field staff costs
- .3 Payroll taxes and payroll insurance associated with field staff costs
- .4 Staff costs associated with obtaining permits and approvals
- .5 Out-of-house consultants
- .6 Travel, Living and Relocation expenses
- .7 Job vehicles
- .8 Field office for CM including but not limited to: (i) trailer purchase and/or rent; (ii) field office installation, relocation and removal; (iii) utility connections and charges during the Construction Services Phase; (iv) furniture; (v) office supplies;

- .9 Office equipment including but not limited to: (i) computer hardware and software; (ii) fax machines; (iii) copying machines; (iv) telephone installation, system and use charges; (v) job radios
- .10 Local delivery and overnight delivery costs
- .11 Field computer network
- .12 First aid facility
- .13 Progress photos

**Section 8.3 Costs Not to Be Reimbursed.** All costs not specifically listed in Paragraph 8.1 as being within the Cost of the Work are excluded from the Cost of the Work. In particular, but without limitation, the Cost of the Work does not include any of the following:

- .1 Any personnel or labor costs other than those provided for in Section 8.1.3(a) or Section 8.2.1 of this Agreement.
- .2 Fees for any permits or licenses the Design-Builder requires to conduct its general business operations.
- .3 Capital expenses and interest on capital employed for the Work.
- .4 Direct or indirect costs of any kind, except those expressly included in Paragraph 8.1.
- .5 Sales or use taxes, unless the Design-Builder establishes that applicable law required payment of such taxes.
- .6 Costs due to the errors or omissions of the Design-Builder or its Subcontractors or suppliers at all tiers, negligent or otherwise.
- .7 Costs dues to breach of Contract by the Design-Builder or its Subcontractors or material suppliers at all tiers, including, without limitation, costs arising from defective or damaged Work or its correction, disposal of materials or equipment erroneously supplied, and repairs to property damaged by the Design-Builder or its Subcontractors or material suppliers at all tiers.
- .8 Any costs incurred in performing work of any kind before Notice to Proceed, unless specifically authorized by the Department.

**Section 8.4 Discounts, Rebates And Refunds**

**Section 8.4.1** Trade discounts, rebates, refunds and amounts received from sales of surplus materials (if paid for by the Department) and equipment shall accrue to the Department, and the Design-Builder shall make provisions so that they can be secured.

**Section 8.4.2** Amounts that accrue to the Department in accordance with the provisions of Subparagraph 8.4.1 shall be credited to the Department as a deduction from the Cost of the Work.

**Section 8.5 Facilitating Tax Exempt Purchases.** The Department expects that the Project will qualify as tax-exempt under applicable laws. The Department will provide the Design-Builder with the necessary information relating to the tax exemption. In the event any savings are attributable to the tax-exempt status of the Project, the Design-Builder shall not be entitled to share in such savings.

**Section 8.6 Accounting Records.** The Design-Builder shall keep full and detailed accounts and exercise such controls as may be necessary for proper financial management under the Contract, the accounting and control systems shall be satisfactory to the Department. The Department, its representatives, and the Department's accountants shall be afforded access to the Design-Builder's records, books, correspondence, instruction, drawings, receipts, subcontracts, purchase orders, vouchers, memoranda and other data relating to this Project, and the Design-Builder shall preserve these for a period of three years after final payment, or for such longer period as may be required by law.

## **ARTICLE 9** **CONSTRUCTION PHASE PAYMENTS**

**Section 9.1 Progress Payments.** The Design-Builder shall be paid its compensation in a series of progress payments and a final payment, for Work completed in accordance with the Contract, and for which proper Applications for Payment have been submitted and approved. The amount of each progress payment shall be as follows:

The Costs of Work Completed to Date

Plus     $\frac{\text{Cost of Work for Pay Period}}{\text{Current approved estimated Cost of Work through completion}} \times \text{Design-Build Fee}$

Minus Applicable Retainage

Minus Amounts previously paid by the Department

**Section 9.2 Retention.** The Department shall withhold from each progress payment an amount equal to ten percent (10%) of the payment related to: (i) each Subcontract and supply agreement, (ii) the Preconstruction Fee, (iii) Design-Build Fee, (iv) the Cost of General Conditions, and (v) the Cost of the Work related to each item of Self-Performed Work, until such time as fifty percent (50%) of the then currently budgeted cost associated with each such an item

has been invoiced at which point the Department may cease retaining against such item. The Department may elect to increase the retention on any trade subcontractor up to ten percent (10%) in the event the Department determines that the situation so warrants. The Department, in its sole and absolute discretion, may elect to reduce the retainage relating to a particular trade Subcontractor or the Cost of the Work related to a specific item of Self-Performed Work to zero upon: (x) satisfactory completion of such Work; (y) submission of all required warranties, certifications, and operating or maintenance instructions with respect to that Work; and (z) execution of appropriate waivers of lien and releases of claims. However, in no event shall the total retainage held by the Department be reduced to an amount that is less than two and one-half percent (2.5%) of the GMP.

**Section 9.3 Documents Required with Application for Payment.** Each Application for Payment shall be accompanied by the Design-Builder's job cost ledgers in a form satisfactory to the Department, the Subcontractors' and Suppliers' Applications for Payment on AIA Documents G702 and G703 or other form acceptable to the Department, and such other supporting documentation as the Department may reasonably request. Each Application for Payment shall include detailed documentation of costs as a condition to approving progress payments, but the Design-Builder shall nevertheless maintain complete documentation of the costs.

**Section 9.4 Stored Materials.** The Department shall not be required to pay for materials stored at the site or stored at other locations, absent its express agreement to do so, which determination shall be made in the Department's sole and absolute discretion. If the Department expressly agrees to pay for materials stored at the site but not yet incorporated into the Work, the Application for Payment may also include a request for payment of the cost of such materials, if the materials have been delivered to the site, and suitably stored. Such requests shall be documented by appropriate invoices and bills of sale. Payment for stored materials shall be conditioned also on the Design-Builder's representation that it has inspected the material and found it to be free from defect and otherwise in conformity with this Contract, and on satisfactory evidence that the materials are insured under the builder's risk policy. Further, if the Design-Builder requests the Department to allow payments for storage of materials offsite, the Design-Builder shall be required, inter alia, to agree to execution of proper documentation to afford the Department a secured interest in the materials upon payment.

**Section 9.5 Design-Builder's Certification.** Each Application for Payment shall be accompanied by the Design-Builder's signed certification that all amounts paid to the Design-Builder on the previous Application for Payment that were attributable to Subcontractor Work or to materials or equipment being supplied by any supplier has been paid over to the appropriate Subcontractors and suppliers; that all amounts currently sought for Subcontractor Work or supply of materials or equipment are currently due and owing to the Subcontractors and material or equipment suppliers; and that all Work, materials or equipment for which payment is sought is, to the best of the Design-Builder's knowledge, free from defect and meets all of the Contract requirements. The Design-Builder shall not include in an Application Payment amounts for Work for which the Design-Builder does not intend to pay.

**Section 9.6 Lien Waivers.** Each Application for Payment shall be accompanied by written waivers of the right to file a mechanic's lien and all other claims, in a form substantially similar to **Exhibit H** for the Design-Builder and all Subcontractors and material suppliers at all tiers who have supplied labor or material or both for which payment is requested, subject only to receipt of payment. If the Department so requests, the Design-Builder shall also submit unconditional waivers of liens for itself and all Subcontractors and material suppliers at all tiers with respect to Work or materials or equipment for which payment has been previously made, and additional forms of waiver acknowledging receipt of final payment under the Contract, and providing final release of such liens.

**Section 9.7 Warranty of Title.** By submitting an Application for Payment, the Design-Builder warrants to the Department that title to all Work for which payment is sought will pass to the Department, without liens, claims, or other encumbrances, upon the receipt of payment by the Design-Builder. The Department may require execution of appropriate documents to confirm passage of clear title. Passage of title shall not operate to pass the risk of loss with respect to the Work in question. Risk of loss remains with the Design-Builder until Substantial Completion, unless otherwise agreed by the Department, in writing.

**Section 9.8 Submission.** On the twenty-fifth day of each month the Design-Builder shall submit to the Department (with a copy to the Program Manager) an Application for Payment, which Application for Payment shall cover the entire month during which the Application for Payment is submitted. All amounts formally submitted via Application for Payment and not disputed by the Department shall be due and payable on the last day of the month following submission or, if that is not a business day, on the following business day. If the Design-Builder and Department are unable to agree on the amounts properly due and owing, the Department shall pay in accordance with its good faith determination and the Design-Builder may protest and pursue a claim as provided in this Agreement.

**Section 9.9 Right to Withhold Payments.** The Department will notify the Design-Builder within fifteen (15) days after receiving any Application for Payment of any defect in the Application for Payment or the Design-Builder's performance which may result in the Department's declining to pay all or a part of the requested amount. The Department may withhold payment from the Design-Builder, in whole or part, as appropriate, if:

- .1 the Work is defective and such defects have not been remedied; or
- .2 the Department has determined that the Design-Builder's progress has fallen behind the Project Schedule, and the Design-Builder fails, within ten (10) calendar days of the Department's written demand, to provide the Department with a realistic and acceptable plan to recover the delays; or
- .3 the Design-Builder's monthly schedule update reflects that the Design-Builder has fallen behind the Project Schedule, and the Design-Builder fails to include, in the same monthly report, a realistic and acceptable plan to recover the delays; or

- .4 the Design-Builder has failed to provide the monthly report in full compliance with Section 4.5 of this Agreement; or
- .5 the Design-Builder has failed to pay Subcontractors or suppliers promptly or has made false or inaccurate certifications that payments to Subcontractors or suppliers are due or have been made; or
- .6 any mechanic's lien has been filed against the Department, the site or any portion thereof or interest therein, or any improvements on the site, even though the Department has paid all undisputed amounts due to the Design-Builder, and the Design-Builder, upon notice, has failed to remove the lien, by bonding it off or otherwise, within ten (10) calendar days; or
- .7 the Department has reasonable evidence that the Work will not be completed by the Substantial Completion Date, as required, that the unpaid balance of the Guaranteed Maximum Price would not be adequate to cover actual or liquidated damages arising from the anticipated delay; or
- .8 the Department has reasonable evidence that the Work cannot be completed for the unpaid balance of the Guaranteed Maximum Price; or
- .9 the Design-Builder is otherwise in substantial breach of this Contract (including, without limitation, failures to comply with LSDBE Utilization requirements in Article 11).

**Section 9.10 Payment Not Acceptance.** Payment of any progress payment or final payment shall not constitute acceptance of Work that is defective or otherwise fails to conform to the Contract, or a waiver of any rights or remedies the Department may have with respect to defective or nonconforming Work.

**Section 9.11 Department Not Obligated to Others.** The Department shall have no obligation to pay or be responsible in any way for payments to a consultant or subcontractor performing portions of the Work. The Department shall have no obligation, after assignment of the Design Contract to the Design-Builder, to pay or be responsible in any way for payments to the Architect/Engineer.

**Section 9.12 Final Payment.** Final payment shall be made by the Department to the Design-Builder when (i) Final Completion has been achieved; and (ii) a final Application for Payment and a final accounting for the Cost of the Work have been submitted by the Design-Builder and reviewed by the Department's accountants. The Department shall make such final payment not more than thirty (30) days after the Department receives such report from its accountants.

**Section 9.12.1** The amount of the final payment shall be calculated as follows:

- .1 Take the sum of the Cost of the Work substantiated by the Design-Builder's final accounting and the Preconstruction Fee and the Design-Build Fee as adjusted to reflect whether the goals established in Section 7.1.2 have been met; but not more than the Guaranteed Maximum Price.
- .2 Subtract amounts, if any, for which the Department withholds pursuant to the Contract.
- .3 Subtract the aggregate of previous payments made by the Department. If the aggregate of previous payments made by the Department exceeds the amount due the Design-Builder, the Design-Builder shall promptly reimburse the difference to the Department.
- .4 The final payment shall take into account any savings accruing to the Department or the Design-Builder.

**Section 9.12.2** The Department's accountants will review and report in writing on the Design-Builder's final accounting within 30 days after delivery of the final accounting to the Department by the Design-Builder. Based upon such Cost of the Work as the Department's accountants report to be substantiated by the Design-Builder's final accounting, and provided the other conditions of Subparagraph 9.12.1 have been met, the Department will, within seven days after receipt of the written report of the Department's accountants, shall notify the Design-Builder of any amount that the Department will withhold and the reasons therefor. The time periods stated in this Paragraph 9.12 supersede those for typical progress payments.

**Section 9.12.3** If the Department's accountants report the Cost of the Work as substantiated by the Design-Builder's final accounting to be less than claimed by the Design-Builder, the Design-Builder shall be entitled to proceed in accordance with Article 12 without a further decision of the Department. Unless agreed to otherwise, the Design-Builder shall make a claim pursuant to Article 12 of the disputed amounts within 60 days after the Design-Builder's receipt of the Department's final payment. Failure to make such a claim within this 60-day period shall result in the substantiated amount reported by the Department's accountants becoming binding on the Design-Builder. Pending a final resolution of the disputed amount, the Department shall pay the Design-Builder the amount that the Department determines to be appropriate.

**Section 9.13 Liquidated Damages.** If the Design-Builder fails to achieve Substantial Completion of the Project by the Substantial Completion Date, the Parties acknowledge and agree that the actual damage to the Department for the delay will be impossible to determine, and in lieu thereof, the Design-Builder shall pay to the Department, as fixed, agreed and liquidated delay damages in the amount of Six Thousand Five Hundred Dollars (\$6,500) per day for each calendar day of delay for failure to meet the Substantial Completion Date. The Design-Builder and the Department agree that the liquidated damages set forth in this Section 9.13 do not constitute, and shall not be deemed, a penalty but represent a reasonable approximation of the damages to the Department associated with a delay in the Project. Notwithstanding anything to the contrary in this Agreement, in no event shall the liquidated damages, or the amount to be

assessed against the Design-Builder for late delivery, exceed Five Hundred Thousand Dollars (\$500,000).

**Section 9.14 Early Completion.** In the event the Design-Builder achieves Substantial Completion of the Project prior to the Substantial Completion Date, the Design-Builder shall maintain the completed Project, at its own expense, until such time that the Department agrees to occupy and use the Project for its intended use.

## **ARTICLE 10** **INSURANCE AND BONDS**

### **Section 10.1 Insurance Required by the Project**

**Section 10.1.1** The Design-Builder will be required to maintain the following types of insurance throughout the life of the Contract. In the event that a claim for or related to the Project is made on any such policy or any other policy, including the builder's risk policy to be purchased for the Project by the Department, the Design-Builder shall be responsible for the payment of any applicable deductible and shall not be entitled to an increase in the GMP for the costs of paying such deductible.

- .1** Commercial general public liability insurance ("Liability Insurance") against liability for bodily injury and death and property damage, such Liability Insurance to be in an amount not less Five Million Dollars (\$5,000,000) for liability for bodily injury, death and property damage arising from any one occurrence and Five Million Dollars (\$5,000,000) from the aggregate of all occurrences within each policy year. The policy shall include completed operations coverage. The Design-Builder shall ensure that such coverage remains in place for at least three (3) years after Substantial Completion of the Project is achieved.
- .2** Workers' Compensation and Employers Liability coverage providing statutory benefits for all persons employed by the Design-Builder, or its contractors and subcontractors at or in connection with the Work.
- .3** Automobile Liability, including Hired and Non-Owned Auto Liability in the amount of at least One Million Dollars (\$1,000,000) for each occurrence for bodily injury and property damage.
- .4** Excess umbrella liability coverage (on at least a follow form basis) having an aggregate limit of at least Ten Million dollars (\$10,000,000).
- .5** With respect to the Architect/Engineer, errors and omissions coverage written on a claims made basis and having an aggregate policy limit of at least Five Million Dollars (\$5,000,000). The Design-Builder shall use its best efforts to ensure that such coverage remains in place for at least three (3) years after Substantial Completion of the Project is achieved.



- .6** Contractor's Pollution Liability coverage in the amount of at least Two Million Dollars (\$2,000,000) for each occurrence. Such coverage shall be maintain for the duration of the Project as well as three (3) years after Substantial Completion of the Project is achieved.

**Section 10.1.2** Each insurance policy shall be issued in the name of the Design-Builder and shall name as additional insured parties the Department and the District of Columbia, and the officers, agents and employees of each. Such insurance policies shall not be cancelable or reduced without thirty (30) days prior written notice to the Department.

**Section 10.1.3** All such insurance policies shall contain a waiver of subrogation against the Department and the District of Columbia, and their respective agents.

**Section 10.1.4** All such insurance policies shall be written by a company that is rated at least A- by A.M. Best and having a surplus size rating of at least XV.

**Section 10.2 Performance Bond and Payment Bond.** The Design-Builder shall, before commencing the Design-Build Phase, provide to the Department a payment bond and performance bond, each with a penal sum equal to the full value of the GMP. Such bond shall remain in full force and effect until Final Completion is achieved and the Department shall be able to draw upon such bond regardless of the amount paid by the Department to the Design-Builder, even if such amount exceeds the penal value of such bond. Unless otherwise directed by the Department, the Design-Builder shall require all Subcontractors whose Subcontract prices exceed One Hundred Thousand Dollars (\$100,000) to provide payment and performance bonds, with a penal sum equal to one hundred percent (100%) of the subcontract price. All bonds must be in a form acceptable to the Department, its lenders or bond trustee, and issued by a surety authorized to do business in the District of Columbia and bonding company listed on the United State Department of Treasury's Listing of Approved Sureties. All subcontractors' bonds must include a dual obligee rider, naming the Design-Builder and the Department as dual obligees. If the GMP is increased pursuant to the terms of the Contract, the Department may require that the amount of the bonds be increased in the amount of one hundred percent (100%) of the increase, and the Design-Builder shall promptly comply. The Design-Builder shall furnish a copy of its bonds to any potential beneficiary of the bonds, or permit that person or company to make a copy. If the bonds provided become unacceptable to the Department, the Design-Builder shall promptly provide substitute security acceptable to the Department. If the Design-Builder intends to exercise its rights as dual obligee under any trade Subcontractor's bond, it shall first give the Department twenty (20) days written notice, so that the Department may lodge any objection it may reasonably have to the proposed action.

## **ARTICLE 11** **ECONOMIC INCLUSION REQUIREMENTS**

### **Section 11.1 LSDBE Utilization.**

**Section 11.1.1** The Design-Builder shall ensure that Local, Small and Disadvantaged Business Enterprises will participate in at least fifty percent (50%) of the Contract Work called

for by this Agreement. Thirty-five percent (35%) of the Contract Work must be awarded to entities that are certified as either Small or Disadvantaged Business Enterprises by the District of Columbia Department of Small and Local Business Development and twenty percent (20%) of the Contract Work must be awarded to entities that are certified as Disadvantaged Business Enterprises. The LSDBE certification shall be, in each case, as of the effective date of the subcontract. Supply agreements with material suppliers shall be counted toward meeting this goal.

**Section 11.1.2** The Design-Builder has developed a LSDBE Utilization Plan that is attached hereto as **Exhibit I**. A more detailed LSDBE Utilization plan shall be included with the GMP Amendment. The Design-Builder shall comply with the terms of the LSDBE Utilization Plan in making purchases and administering its Subcontractors and Supply Agreements.

**Section 11.1.3** Neither the Design-Builder or a Subcontractor may remove a Subcontractor or tier-Subcontractor if such Subcontractor or tier-Subcontractor is certified as an LSDBE company unless the Department approves of such removal. The Department may condition its approval upon the Design-Builder developing a plan that is, in the Department's sole and absolute judgment, adequate to maintain the level of LSDBE participation on the Project.

## **Section 11.2 Equal Employment Opportunity and Hiring of District Residents**

**Section 11.2.1** The Design-Builder shall comply with applicable laws, regulations and special requirements of the Contract Documents regarding equal employment opportunity and affirmative action programs.

**Section 11.2.2** The Design-Builder shall ensure that at least fifty-one percent (51%) of the Design-Builder's Team and every subconsultant's and subcontractor's employees hired after the effective date of the Contract, or after such subconsultant or subcontractor enters into a contract with the Design-Builder, to work on the Project shall be residents of the District of Columbia. This percentage shall be applied in the aggregate, and not trade by trade. In addition, the Design-Builder shall use commercially reasonable best efforts to comply with the workforce percentage goals established by the recently adopted amendments to the First Source Employment Agreement Act of 1984 (D.C. Code §§ 2-219.01 *et seq.*) and any implementing regulations, including, but not limited to the following requirements:

- (i) At least 20% of journey worker hours by trade shall be performed by District residents;
- (ii) At least 60% of apprentice hours by trade shall be performed by District residents;
- (iii) At least 51% of the skilled laborer hours by trade shall be performed by District residents; and
- (iv) At least 70% of common laborer hours shall be performed by District residents.

**Section 11.2.3 Workforce Incentive Program.** In addition to the requirement imposed by Section 11.2.2, the Department shall establish a Workforce Utilization Goal for the performance of labor hours on the Project. The Design-Builder shall ensure that the Workforce Utilization Goal is met. It is understood and agreed that: (i) the Design-Builder shall be entitled to an incentive payment as described in Section 11.2.3.2 if the Project's Workforce Goal is met; and (ii) each Trade Subcontractor shall receive an incentive payment as described in Section 11.2.3.1.

- .1 The Department shall pay to the Design-Builder for payment to the applicable subcontractor an amount equal to Ten Percent (10%) of the Bare Salary paid to the subcontractor's employees who are (i) a bona fide resident of the District of Columbia; and (ii) working on the Project. Bare Salary shall mean wages paid to employees for work performed on the job site and excludes the cost of benefits or taxes associated with such employees. Only those employees who are directly employed on the job site shall count toward this calculation. Employees who work in home or regional offices and who support multiple projects shall not be eligible for this incentive. In calculating this incentive payment, the certified payrolls collected and maintained as part of the Davis-Bacon Act shall be used.
- .2 The Department has established a goal that at least forty percent (40%) of all hours worked on the Project shall be worked by District residents (such goal, the "Workforce Utilization Goal"). In the event the Project's Workforce Utilization Goal is met or exceeded, the Design-Builder's Design-Build Fee, as set forth in this Agreement, shall be increased as set forth in Section 7.1.2.5.
- .3 The GMP shall include an allowance to fund payments required under Section 11.2.3.1. Such allowance shall only be used to pay the incentive fees established by that Section.

**Section 11.2.4** Thirty five percent (35%) of all apprentice hours worked on the Project shall be worked by District residents.

### **Section 11.3 Economic Inclusion Reporting Requirements**

**Section 11.3.1** Upon execution of the Contract, the Design-Builder and all its member firms, if any, and each of its Subcontractors shall submit to the Department a list of current employees and apprentices that will be assigned to the Contract, the date they were hired and whether or not they live in the District of Columbia.

**Section 11.3.2** The Design-Builder and its constituent entities shall comply with subchapter X of Chapter II Title 2, and subchapter II of Chapter 11 of Title 1 of the D.C. Code, and all successor acts thereto and the rules and regulations promulgated thereunder. The Design-Builder and all member firms execute a First Source Agreement with the District of Columbia Department of Employment Services ("DOES") prior to beginning Work at the Project site. Further, the Design-Builder shall cause its subcontractors to enter into First Source Agreements with DOES as required by the Act and the First Source Agreement.

**Section 11.3.3** The Design-Builder shall maintain detailed records relating to the general hiring of District of Columbia and community residents.

**Section 11.3.4** The Design-Builder shall be responsible for: (i) including the provisions of this Section 11.3 in all subcontracts; (ii) collecting the information required in this Section 11.3 from its Subcontractors; and (iii) providing the information collected from its Subcontractors in the reports required to be submitted by the Design-Builder pursuant to Section 11.3.

**Section 11.4 Compliance with the Apprenticeship Act.** The Design-Builder agrees to comply with the requirements of the Apprenticeship Act of 1946, D.C. Code §§ 32-1431, *et seq.*

## **ARTICLE 12** **CLAIMS & DISPUTE RESOLUTION**

**Section 12.1 Notice of Claim.** If the Builder has complied with all provisions in Section 7.4 regarding changes, and the Department has denied the changes requested in a written Change Proposal, or has failed to respond to a written Change Proposal within thirty (30) days, and the Builder wishes to pursue a claim over the disputed item, or if the Builder wishes to assert a claim over a contract dispute not arising from matters related to a Change Event, Change Order or Change Directive, then the written notice of claim must be submitted to the Department pursuant to procedures set forth in section 4733 of the Department's procurement rules and section 908 of the District's *Procurement Practices Reform Act of 2010* (PPRA).

**Section 12.2 Contents of Notice of Claim.** The notice of claim shall state the nature of the claim, the events or circumstances giving rise to the claim, the type of relief requested, and the amount of time or additional compensation, or other damages sought. If the amount of time, compensation, or other damages sought is not reasonably ascertainable at the time, the Builder shall so state, explain why, and provide whatever estimates it can reasonably provide. The notice shall state clearly that the Builder intends to assert a claim against the Department.

**Section 12.3 Appeal Procedures.** All claims arising under or in connection with the Contract or its breach, or relating to the Project, whether framed in contract, tort or otherwise, and which are not resolved via the claims process may be resolved by filing an appeal with the District of Columbia Board of Contract Appeals in accordance with Title X of the PPRA. However, if a third party brings any claim against the Department, including, without limitation, claims of infringement of patents, copyrights or other intellectual property rights, the Department may bring an action for defense or indemnification against the Design-Builder in the court in which such claim is being litigated.

## **ARTICLE 13** **MISCELLANEOUS PROVISIONS**

**Section 13.1 Extent of Contract.** The Contract, which includes this Agreement the exhibits attached hereto, and other documents incorporated herein by reference, represents the entire and integrated agreement between the Department and Design-Builder and supersedes all prior negotiations representations or agreements, either written or oral. The Contract may be

amended only by written instrument signed by both the Department and Design-Builder. If anything in any document incorporated into this Agreement is inconsistent with this Agreement, this Agreement shall govern.

**Section 13.2 Ownership And Use of Documents.** The Drawings, Specifications and other documents prepared by the Architect/Engineer shall become the property of the Department.

**Section 13.3 Governing Law.** The Contract shall be governed by and construed in accordance with the laws of the District of Columbia, without regard to its conflict of laws principles.

**Section 13.4 Assignment.** The Department and Design-Builder respectively bind themselves, their partners, members, joint venturers, constituent entities, successors, assigns and legal representative to the other party hereto and to partners, members, joint venturers, constituent entities, successors, assigns and legal representatives of such other party in respect to covenants, agreements and obligations contained in the Contract. Neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

**Section 13.5 Retention of Records and Inspections and Audits**

**Section 13.5.1** The Design-Builder shall maintain books, records, documents and other evidence directly pertinent to performance under the Contract in accordance with generally accepted professional practice and appropriate accounting procedures and practices consistently applied in effect on the date of execution of the Contract.

**Section 13.5.2** The Design-Builder shall also maintain the financial information and data used in the preparation and support of the costing and cost summary submitted to the Department and the required cost submissions in effect on the date of execution of the Department.

**Section 13.5.3** The Department, the District of Columbia government, the District of Columbia Financial Responsibility and Management Assistance Office, the Comptroller General of the United States, the U.S. Department of Labor and any of their authorized representatives shall have access to the books, records, documents and other evidence held, owned or maintained by the Design-Builder for the purpose of inspection, audit and copying during normal business hours and upon advance written notice to the Design-Builder. The Design-Builder shall provide proper facilities for such access and inspection.

**Section 13.5.4** The Design-Builder agrees to include the wording of this Section in all its subcontracts in excess of five thousand dollars (\$5,000) that directly relate to Project performance.

**Section 13.5.5** Audits conducted pursuant to this Section will be in accordance with generally acceptable auditing principles and established procedures and guidelines of the applicable reviewing or audit agency.

**Section 13.5.6** The Design-Builder agrees to the disclosure of all information and reports, resulting from access to records, to any authorized representative of the Department. Where the audit concerns the Design-Builder, the auditing agency will afford the Design-Builder an opportunity for an audit exit conference and an opportunity to comment on the pertinent portions of the draft audit report. The final audit report will include the written comments, if any, of the audited parties.

**Section 13.5.7** The Design-Builder shall preserve all records described herein from the effective date of the Contract completion and for a period of seven (7) years after a final settlement. In addition, those records which relate to any dispute, appeal or litigation, or the settlement of claims arising out of such performance, or costs or items to which an audit exception has been taken, shall be maintained and made available until seven (7) years after the date of resolution of such dispute, appeal, litigation, claim or exception.

#### **Section 13.6 Inspection For Supplies And Services**

**Section 13.6.1** To the extent applicable or appropriate, the Department may, in its sole discretion, enter the place of business of the Design-Builder or the place of business of any Subcontractor in order to inspect or test supplies or services for acceptance by the Department. If inspections and tests are performed at the place of business of the Design-Builder or any Subcontractor, the inspections and tests shall be performed in a manner so as to not unduly delay the Work. Inspections and tests by the Department shall not relieve the Design-Builder or any Subcontractor of responsibility for defects or other failures to meet Contract requirements, and shall not constitute or imply acceptance.

**Section 13.6.2** Notwithstanding the Department's acceptance of or payment for any product or service delivered by Design-Builder, the Design-Builder shall remain liable for latent defects, fraud, gross mistakes amounting to fraud and the Department's rights under any warranty or guarantee.

**Section 13.6.3** The Department shall have the right to enter the place of business of the Design-Builder or the place of business of any Subcontractor in order to investigate any contractor or offeror with respect to a debarment or suspension of the Design-Builder or any such Subcontractor.

**Section 13.7 Laws And Regulations Incorporated by Reference.** All federal and District of Columbia laws and regulations, and all Department procedures now or hereafter in effect, whether or not expressly provided for or referred to in the Contract, are incorporated by reference herein and shall be binding upon the Design-Builder and the Department. It shall be the responsibility of the Design-Builder to perform the Contract in conformance with the Department's procurement regulations and all statutes, laws, codes, ordinances, regulations, rules, requirements, and orders of governmental bodies, including, without limitation, the U.S.

Government and the District of Columbia government; and it is the sole responsibility of the Design-Builder to determine the procurement regulations, statutes, laws, codes, ordinances, regulations, rules, requirements, and orders that apply and their effect on the Design-Builder's obligations thereunder. However, if the application of a future law or regulation requires the Design-Builder to undertake additional work that is materially different in scope than that presently contemplated or required, the Design-Builder shall be entitled to an equitable adjustment for such additional work.

**Section 13.8 Tax Exemption Provision.** Any tax exemptions applicable to the District of Columbia, including the gross receipts sales tax exemption for the sale of tangible personal property to the District, codified in D.C. Code § 47-2005, shall apply to the performance of the Contract.

**Section 13.9 Anti-Competitive Practices and Anti-kickback Provisions**

**Section 13.9.1** The Design-Builder recognizes the need for markets to operate competitively and shall observe and shall comply with all applicable law, rules, and regulations prohibiting anti-competitive practices. The Design-Builder shall not engage, directly or indirectly, in collusion or other anti-competitive practices that reduces or eliminates competition or restrains trade. The Department shall report to the appropriate authority any activity that evidences a violation of the antitrust laws, and take such other further action to which it is entitled or obligated under the law.

**Section 13.9.2** The Design-Builder shall observe and comply with all applicable law, rules, and regulations prohibiting kickbacks and, without limiting the foregoing, Design-Builder shall not (i) provide or attempt to provide or offer to provide any kickback; (ii) solicit, accept, or attempt to accept any kickback; or (iii) include, directly or indirectly, the amount of any kickback in the contract price charged by Design-Builder or a Subcontractor of the Design-Builder to the Department. The Design-Builder shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in this subparagraph in its own operations and direct business relationships. The Department may take any recourse available to it under the law for violations of this anti-kickback provision.

**Section 13.9.3** The Design-Builder represents and warrants that it did not, directly or indirectly, engage in any collusive or other anti-competitive behavior in connection with the bid, negotiation or award of the Contract.

**Section 13.10** [Intentionally Omitted].

**Section 13.11 Ethical Standards For Department's Employees And Former Employees.** The Department expects the Design-Builder to observe the highest ethical standards and to comply with all applicable law, rules, and regulations governing ethical conduct or conflicts of interest. Neither the Design-Builder, nor any person associated with the Design-Builder, shall provide (or seek reimbursement for) any gift, gratuity, favor, entertainment, loan or other thing of value to any employee of the District or the Department not in conformity with applicable law, rules or regulations. The Design-Builder shall not engage the services of any

person or persons in the employment of the Department or the District for any Work required, contemplated or performed under the Contract. The Design-Builder may not assign to any former Department or District employee or agent who has joined the Design-Builder's firm any matter on which the former employee, while in the employ of the Department, had material or substantial involvement in the matter. The Design-Builder may request a waiver to permit the assignment of such matters to former Department personnel on a case-by-case basis. The Design-Builder shall include in every subcontract a provision substantially similar to this section so that such provisions shall be binding upon each Subcontractor or vendor.

### **Section 13.12 Gratuities and Officers Not to Benefit Provisions**

**Section 13.12.1** If it is found, after notice and hearing, by the Department that gratuities (in the form of entertainment, gifts, payment, offers of employment or otherwise) were offered or given by the Design-Builder, or any agent or representative of the Design-Builder, to any official, employee or agent of the Department or the District with a view toward securing the Contract or any other contract or securing favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performance of the Contract, the Department may, by written notice to the Design-Builder, terminate the right of the Design-Builder to proceed under the Contract and may pursue such other rights and remedies provided by law and under the Contract.

**Section 13.12.2** In the event the Contract is terminated as provided in Section 13.12.1, the Department shall be entitled:

- .1** to pursue the same remedies against the Design-Builder as it could pursue in the event of a breach of the Contract by the Design-Builder; and
- .2** as a penalty in addition to any other damages to which it may be entitled by law, to exemplary damages in an amount (as determined by the Department) which shall be not less than ten times the costs incurred by the Design-Builder in providing any such gratuities to any such officer or employee.

**Section 13.12.3** No member of, nor delegate to Congress, Mayor or City Council Member, nor officer nor employee of the District, nor officer nor employee of the Department shall be admitted to any share or part of the Contract or to any benefit that may arise therefrom, and all agreements entered into by the authorized representative of the Department in which he or any officer or employee of the Department shall be personally interested as well as all agreements made by the Department in which the Mayor or City Council Member or officer or employee of the District shall be personally interested shall be void and no payments shall be made on any such contracts by the Department or by any officer thereof; but this provision shall not be construed or extend to the agreement if the share of or benefit to the member of, or delegate to Congress, Mayor or City Council Member, or officer or employee of the District is de minimus.

**Section 13.13 Covenant Against Contingent Fees Provisions.** The Design-Builder warrants that no person or selling agency has been employed or retained to solicit or secure the



Contract upon an agreement or understanding for a Commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Design-Builder for the purpose of securing business. For breach or violation of this warranty, the Department shall have the right to terminate the Contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of the Department, percentage, brokerage of contingent fee.

#### **Section 13.14 Non-Discrimination in Employment Provisions**

**Section 13.14.1** The Design-Builder agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin, sex, age, marital status, personal appearance, sexual orientation, family responsibilities, matriculation, political affiliation, or physical handicap. The affirmative action shall include, but not be limited to, the following:

- .1 Employment, upgrading, or transfer;
- .2 Recruitment or recruitment advertising;
- .3 Demotion, layoff, or termination;
- .4 Rates of pay, or other forms of compensation; and
- .5 Selection for training and apprenticeship.

**Section 13.14.2** Unless otherwise permitted by law and directed by the Department, the Design-Builder agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Department setting forth the provisions of this Section concerning non-discrimination and affirmative action.

**Section 13.14.3** The Design-Builder shall, in all solicitations or advertisements for employees placed by or on behalf of the Design-Builder, state that all qualified applicants will receive consideration for employment pursuant to the non-discrimination requirements set forth in this Section.

**Section 13.14.4** The Design-Builder agrees to send to each labor union or representative of workers with which it has a collective bargaining agreement, or other contract or understanding, a notice to be provided by the Department, advising each labor union or workers' representative of the Design-Builder's commitments under this Section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

**Section 13.14.5** The Design-Builder agrees to permit access by the Department to all books, records and accounts pertaining to its employment practices for purposes of investigation to ascertain compliance with this Section, and shall post copies of the notices in conspicuous places available to employees and applicants for employment.

**Section 13.14.6** The Design-Builder shall include in every subcontract the equal opportunity clauses of this Section so that such provisions shall be binding upon each Subcontractor or vendor.

**Section 13.14.7** The Design-Builder shall take such action with respect to any Subcontractor as the Contracting Officer may direct as a means of enforcing these provisions, including sanctions for non-compliance.

**Section 13.15 Buy American Act Provision.** The Design-Builder shall comply with the provisions of the Buy American Act (41 U.S.C. § 10a), including, but not limited to, the purchase of steel.

**Section 13.16 Contract Work Hours And Safety Standards Act Provision.** The Design-Builder agrees that the construction work performed under this Contract shall be subject to the Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 327-333).

**Section 13.17 Davis-Bacon Act Provision.** The Design-Builder agrees that the construction work performed under this Contract shall be subject to the Davis-Bacon Act (40 U.S.C. §§ 276a-276a-7). The wage rates applicable to this Project are attached as **Exhibit J.** The Design-Builder further agrees that it and all of its subcontractors shall comply with the regulations implementing the Davis-Bacon Act and such regulations are hereby incorporated by reference.

**Section 13.18 False Claims Act.** Design-Builder shall be governed by all laws and regulations prohibiting false or fraudulent statements and claims made to the government, including the prescriptions set forth in District of Columbia Code § 2-381.02.

**Section 13.19 Interpretation of Contract.** All of the documents comprising the Contract should be read as complementary, so that what is called for by one is called for by all. Ambiguities should be construed in favor of a broader scope of work for the Design-Builder, as the intent of the Contract is, with specific identified exceptions, to require the Design-Builder to assume entire responsibility for construction of the Project. If there is any inconsistency among the documents comprising the Contract, the order of precedence among them is as follows, with the first listed document having the highest priority: this Agreement, as defined herein and excluding its Exhibits; the GMP Amendment; any Change Directives or Change Orders that have been executed by the Department; Exhibits to this Agreement; and the Construction Documents released by the Department. Any Change Order issued and executed by the Department shall supersede those portions of earlier dated contract documents to which it pertains.

**Section 13.20 Independent Contractor.** In carrying out all its obligations under the Contract, the Design-Builder shall be acting as an independent contractor, and not as an employee or agent of the Department, or joint venturer or partner with the Department. The Design-Builder shall have exclusive authority to manage, direct, and control the Work, and shall be responsible for all construction means, methods, techniques, sequences, and procedures, as well as for Project safety.

**Section 13.21 Confidential Information.** In the course of the Design-Builder's performance of the Work, the Department may make available to the Design-Builder information that the Department designates as trade secrets or other confidential engineering, technical and business information. As long as, and to the extent that, such information remains confidential and available to others only with the consent of the Department, or is not generally available to the public from other sources, the Design-Builder shall maintain such information in strict confidence and shall not disclose any such information to others (including its employees or Subcontractors), except to the extent necessary to enable the Design-Builder to carry out the Project. The Design-Builder shall similarly obligate any and all persons to whom such information is necessarily disclosed to maintain the information in strict confidence. The Design-Builder agrees that, in the event of any breach of this confidentiality obligation, the Department shall be entitled to equitable relief, including injunctive relief or specific performance, in addition to all other rights or remedies otherwise available.

**Section 13.22 No Third-Party Beneficiary Rights.** Nothing in this Agreement shall be construed as creating third-party beneficiary rights in any person or entity, except as otherwise expressly provided in this Agreement.

**Section 13.23 Media Releases.** Neither the Design-Builder, its employees, agents or Subcontractors or material suppliers shall make any press release or similar media release related to the Project unless such press release have been discussed with the Department prior to its issuance.

**Section 13.24 Construction.** This Agreement shall be construed fairly as to all Parties and not in favor of or against any party, regardless of which party prepared the Agreement.

**Section 13.25 Notices.** All notices or communications required or permitted under the Contract shall be in writing and shall be hand delivered or sent by telecopier or by recognized overnight carrier to the intended recipient at the address stated below, or to such other address as the recipient may have designated in writing. Any such notice or communication shall be deemed delivered as follows: if hand delivered, on the day so delivered, if sent by telecopier, on confirmation of successful transmission, and if sent by recognized overnight carrier, the next business day.

If to the Department:

Christopher Weaver  
Acting Director & Chief Contracting Officer  
Department of General Services  
2000 14<sup>th</sup> Street, NW  
Washington, D.C. 20009

If to the Design-Builder:

[REPRESENTATIVE]

This Paragraph shall be read as imposing minimum requirements for distribution of required contractual notices, and not as displacing distribution requirements with respect to design documents, construction submittals, periodic reports, and other documents.

**Section 13.26 Limitations.** The Design-Builder agrees that any statute of limitations applicable to any claim or suit by the Department arising from this Contract or its breach shall be controlled by applicable District of Columbia law.

**Section 13.27 Binding Effect; Assignment.** The Contract shall inure to the benefit of, and be binding upon and enforceable by, the Parties and their respective successors and permitted assigns. The Design-Builder acknowledges that, in entering into the Contract, the Department is relying on the particular qualifications of the Design-Builder, and the Design-Builder therefore shall not delegate or assign any of its duties or obligations under the Contract, except in accordance with the Contract's provisions relating to subcontracting, or pursuant to the Department's prior written consent. The Design-Builder shall not assign its rights under the Contract, including the right to all or a portion of its compensation, without the Department's prior written consent. Any delegation or assignment made contrary to the provisions of this Paragraph shall be null and void.

**Section 13.28 Survival.** All agreements warranties, and representations of the Design-Builder contained in the Contract or in any certificate or document furnished pursuant to the Contract shall survive termination or expiration of the Contract.

**Section 13.29 No Waiver.** If the Department waives any power, right, or remedy arising from the Contract or any applicable law, the waiver shall not be deemed to be a waiver of the power, right, or remedy on the later recurrence of any similar events. No act, delay, or course of conduct by the Department shall be deemed to constitute the Department's waiver, which may be effected only by an express written waiver signed by the Department.

**Section 13.30 Remedies Cumulative.** Unless specifically provided to the contrary in the Contract, all remedies set forth in the Contract are cumulative and not exclusive of any other remedy the Department may have, including, without limitation, at law or in equity. The Department's rights and remedies will be exercised at its sole discretion, and shall not be regarded as conferring any obligation on the Department's to exercise those rights or remedies for the benefit of the Design-Builder or any other person or entity.

**Section 13.31 Headings/Captions.** The headings or captions used in this Agreement or its table of contents are for convenience only and shall not be deemed to constitute a part of the Contract, nor shall they be used in interpreting the Contract.

**Section 13.32 Entire Agreement; Modification.** The Contract supersedes all contemporaneous or prior negotiations, representations, course of dealing, or agreements, either written or oral. No modifications to the Contract shall be effective unless made in writing signed by both the Department and the Design-Builder, unless otherwise expressly provided to the contrary in the Contract.

**Section 13.33 Severability.** In the event any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision of this Agreement, and in lieu of each such invalid, illegal or unenforceable provision, there shall be

added automatically as a part of this Agreement a provision as similar in terms to such invalid, illegal or unenforceable provision as may be possible and be valid, legal and enforceable; each part of this Agreement is intended to be severable.

**Section 13.34 Anti-Deficiency Act.** The Department's obligations and responsibilities under the terms of the Contract and the Contract Documents are and shall remain subject to the provisions of (i) the federal Anti-Deficiency Act, 31 U.S.C. §§1341, 1342, 1349, 1350, 1351, (ii) the D.C. Code 47-105, (iii) the District of Columbia Anti-Deficiency Act, D.C. Code §§ 47-355.01 - 355.08, as the foregoing statutes may be amended from time to time, and (iv) Section 446 of the District of Columbia Home Rule Act. Neither the Contract nor any of the Contract Documents shall constitute an indebtedness of the Department, nor shall it constitute an obligation for which the Department is obligated to levy or pledge any form of taxation, or for which the Department has levied or pledged any form of taxation. **IN ACCORDANCE WITH § 446 OF THE HOME RULE ACT, D.C. CODE § 1-204.46, NO DISTRICT OF COLUMBIA OFFICIAL IS AUTHORIZED TO OBLIGATE OR EXPEND ANY AMOUNT UNDER THE CONTRACT OR CONTRACT DOCUMENTS UNLESS SUCH AMOUNT HAS BEEN APPROVED, IS LAWFULLY AVAILABLE AND APPROPRIATED BY ACT OF CONGRESS.**

**Section 13.35** To the fullest extent permitted by law, the Design-Builder shall defend, indemnify and hold harmless the Department and the Department's consultants and agents and employees from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Design-Builder, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder.

## **ARTICLE 14**

### **TERMINATION OR SUSPENSION**

**Section 14.1 Cancellation Before Notice to Proceed.** The Department may cancel the Contract at any time before issuance of a Notice to Proceed, in the Department's sole discretion. Such a cancellation shall not be a breach of the Contract, and the Design-Builder shall not be entitled to any compensation or damages if cancellation occurs.

**Section 14.2 Failure to Agree Upon GMP.** The Department shall have the right to terminate this Contract in the event that the Department and the Design-Builder are unable to agree upon a GMP for the Project and the Department shall have the right, but not the obligation, to assume any of the Design-Builder's trade subcontracts upon such terms and conditions as requested by the Department. The Department's decision to terminate under this clause shall be made in the Department's sole and absolute judgment and shall not be subject to review by any reviewing body, including, but not limited to, arbitrators appointed under this Contract or any court of competent jurisdiction. In the event the Department so terminates this Contract, the

Department shall pay the Design-Builder an amount equal to fifty Percent (50%) of the total Preconstruction Fee and shall take sole and absolute title to and have the right to use any documents, schedules, bid packages, estimates or other materials prepared during the Preconstruction Phase. If the Department has paid the Design-Builder an amount in excess of Fifty Percent (50%) of the Preconstruction Fee in such an event, the Design-Builder shall promptly refund any portion of the Preconstruction Fee that was received by the Design-Builder in excess of Fifty Percent (50%) of such fee.

**Section 14.3 Termination for Default.** The Department may terminate the Contract for default if the Design-Builder fails materially to perform any of its duties or obligations under the Contract. In particular, but without limitation, the Department may terminate the Contract if:

- .1 the Design-Builder fails to prosecute the Work diligently, in accordance with the Project Schedule or to make such progress in the Work as the Department reasonably believes is necessary to complete the Project within the time required by the Contract; or
- .2 the Design-Builder fails to perform the Work in a good and workmanlike manner or to correct defects in the Work promptly upon notice by the Department; or
- .3 the Department reasonably determines that the Design-Builder has abandoned the Work, or has failed to pay laborers, mechanics, materialmen, Subcontractors or suppliers when payment is due; or
- .4 becomes insolvent, makes an assignment for the benefit of creditors, files a voluntary petition under any chapter of the Bankruptcy Code or has an involuntary petition filed against it under any chapter of the Bankruptcy Code, or has a receiver appointed, or files for dissolution or otherwise is dissolved; or
- .5 the Design-Builder fails to pay its debts in a timely manner or becomes insolvent, or the Department reasonably determines that the Design-Builder does not have the financial ability to carry out its obligations under the Contract and the Design-Builder fails to give the Department prompt and reasonable assurances of its ability to perform.
- .6 The Department must provide the Design-Builder with written notice of its intent to terminate the Contract under this provision seven (7) days before actually putting the termination into effect. If the Design-Builder has begun its curative action and has made progress satisfactory to the Department within the seven days, the Department may so notify the Design-Builder and the termination will not take effect. Otherwise, the termination shall take effect after seven days without further notice or opportunity to cure.
- .7 If the Department terminates the Contract for default, the Department will have the right to take over the Work, to accept assignment of some or all Subcontracts or agreements with material suppliers, to take possession of the Project, to take and use all tools, equipment and supplies then being used in connection with the

Work, and to finish the Project by whatever method it deems expedient, including accepting assignment of all outstanding Subcontracts and Supply Agreements.

#### **Section 14.4 Termination for Convenience**

**Section 14.4.1** The Department may, upon seven (7) days written notice to the Design-Builder, terminate the Contract in whole or specified part, for its convenience, whether the Design-Builder is in breach of Contract or not. The notice of termination shall state the effective date of termination, the extent of the termination, and any specific instructions.

**Section 14.4.2** After receiving notice of termination for convenience, the Design-Builder shall (1) stop work on the terminated portion of the Project as of the effective date of the termination and stop placing subcontracts or supply agreements thereunder; (2) consult with the Department regarding the disposition of existing orders and subcontracts, and use its best efforts to terminate them on terms favorable to the Department; (3) consult with the Department to decide what actions should be taken to protect work in place and equipment that has been delivered and not yet installed, and to render the site safe, and proceed to take such actions as may be agreed upon or, absent agreement, as may be reasonable; (4) take necessary or directed action to protect and preserve property in the Design-Builder's possession in which the Department has or may acquire an interest and, as directed by the termination notice or other order from the Department, deliver the property to the Department; and (5) promptly deliver to the Department all computer files it has prepared relating to the Project. The Design-Builder shall also promptly notify the Department, in writing, of any legal proceeding arising from any subcontract or supply agreement related to the terminated portion of the Project, and, in consultation with the Department, settle outstanding liabilities arising out of the terminated portion of the Project on the best terms reasonably possible.

**Section 14.4.3** The Design-Builder shall be entitled to receive only the following with respect to the terminated portion of the Project: (1) Cost of Work performed up to the date of termination; (2) reasonable costs of terminating outstanding subcontracts and supply agreements and other similar wind-up costs in a reasonable amount; (3) a fair and reasonable portion of the Design-Build Fee attributable to the Work performed on the terminated portion of the Project, up to the time of termination. The Design-Builder shall not be entitled to recover the Design-Build Fee or overheads or profits on unperformed portions of the Work. Further, if it appears to the Department that the Cost of Work, added to the Construction and Design Management Fee and Preconstruction Fee, would have exceeded the GMP, the Department shall have the right to adjust the settlement figure downward in an appropriate amount. In no case shall the Design-Builder be entitled to receive an amount in settlement for termination for convenience that would exceed the percentage value of the Work actually performed in accordance with the Contract, multiplied by the GMP, and reduced by any damages, liquidated or otherwise, the Design-Builder may owe the Department.

**Section 14.4.4** Payment of such amounts shall be the Design-Builder's sole remedy for termination for convenience.

**Section 14.4.5** The Design-Builder shall, promptly after termination, submit a proposal for settlement of the amounts due to it as a result of the termination for convenience. The proposal shall be consistent with the requirements of Subparagraphs 14.4.2 through 14.4.4, and shall be accompanied by such documentation of costs as the Department may reasonably require. Such documentation may include cost and price data in accordance with the Department's Regulations.

**Section 14.5 Effect of Wrongful Termination.** Any termination for cause which is later determined to have been improperly effected shall be deemed to have been a termination for convenience pursuant to Paragraph 14.4 and shall be governed by that Paragraph.

**Section 14.6 Continued Responsibility After Termination.** If the Design-Builder is terminated, either for default or otherwise, the Design-Builder shall remain responsible for defects or non-conformities in all Work performed to the date of the termination.

**Section 14.7 Suspension**

**Section 14.7.1 Suspension at the Convenience of the Department.** The Department may at any time, with or without cause, suspend, delay, reduce or interrupt performance of all or any portion of the Work for such period or periods as the Department elects by giving the Design-Builder written notice specifying which portion of the Work is to be suspended and the effective date of such suspension. Such suspension, delay or interruption shall continue until the Department terminates such suspension, delay or interruption by written notice to the Design-Builder. No such suspension, delay, interruption or reduction by the Department shall constitute a breach or default by the Department under the Contract Documents. The Design-Builder shall continue to diligently perform any remaining Work that is not suspended, delayed, reduced or interrupted and shall take all actions necessary to maintain and safeguard all materials, equipment, supplies and Work in progress affected by the suspension, delay, reduction or interruption.

**Section 14.7.2 Payment Upon Suspension For Convenience.** In the event of suspension, delay, reduction or interruption for convenience by the Department, the Department shall pay the Design-Builder and the Guaranteed Maximum Price shall be increased by such amounts (subject to the payment and related requirements of the Contract Documents) as follows:

**Section 14.7.2.1** Additional Costs of the Work, if any, which are incurred by the Design-Builder, its Subcontractors and Vendors as a result of continuing to maintain dedicated personnel, materials and equipment at the Site at the Department's request during any suspension, delay or interruption period, including for the purpose of safeguarding all material, equipment, supplies and the Design-Builder's Work in progress caused solely by such suspension, delay or interruption ordered by the Department for convenience, but the Guaranteed Maximum Price shall be increased only if and to the extent such delay, suspension or interruption exceeds a period of seven (7) consecutive days following commencement of the Work; and



**Section 14.7.2.2** Other reasonable and unavoidable Costs of the Work, if any, which are directly related to any subsequent re-mobilization of the suspended, delayed or interrupted the Design-Builder's Work caused solely by such suspension, delay or interruption ordered by the Department for convenience, but the Guaranteed Maximum Price shall be increased only if and to the extent such delay, suspension or interruption exceeds a period of seven (7) consecutive days following commencement of the Work.

**Section 14.7.2.3** Provided, however, that no adjustment shall be made to the extent that performance was otherwise subject to suspension, delay or interruption by another cause for which the Design-Builder is responsible. Furthermore, the Design-Builder shall not be entitled to an increase in its Preconstruction or Design-Build Fee for a suspension ordered by the Department unless the suspension is 6 months or more, at which time the Design-Build Fee shall be reasonably increased.

## **ARTICLE 15** **OTHER CONDITIONS AND SERVICES**

This Contract and the rights and obligations of the Department and Design-Builder herein are subject to the approval of the Council for the District of Columbia.

## **ARTICLE 16** **DEFINITIONS**

**Section 16.1 Agreement.** The term Agreement shall mean this Agreement consisting of 59 pages. It does not include exhibits attached hereto or any document incorporated by reference.

**Section 16.2 Change Directive.** A written direction signed and issued by the Department ordering the Design-Builder either to provide pricing and schedule impact information for a described change to the Work or to proceed with a described change and provide pricing and schedule impact information after beginning the changed Work.

**Section 16.3 Change Event.** Any condition, event, act, omission or breach, other than the issuance of a Change Directive, which the Design-Builder believes entitles it to a change in the Guaranteed Maximum Price, the Preconstruction Fee, Design-Build Fee, the Maximum Cost of General Conditions, or the Substantial or Final Completion Dates.

**Section 16.4 Change Order.** A written document, executed by the Department and the Design-Builder, setting forth the agreed terms upon which a change to the Contract has been made.

**Section 16.5 Construction Documents.** The final Drawings and Specifications, as prepared, sealed by the Architect/Engineer's design professional in accordance with the law, and issued by the Design-Builder for the purpose of obtaining bids from potential trade Subcontractors and material suppliers for use in constructing the Project.

**Section 16.6 Cost of General Conditions.** The Cost of General Conditions shall have the meaning set forth in Section 7.1.3 of this Agreement.

**Section 16.7 Contract.** The entire, integrated agreement between the Department and the Design-Builder with respect to the Project, consisting of this Agreement, the Exhibits to the Agreement, and any Change Directives or Change Orders that have been executed by the Department.

**Section 16.8 Contract Documents.** The Contract Documents consist of the Contract between the Department and the Design-Builder, including any modifications or changes thereof, the Drawings and Specifications, and any addenda issued thereto.

**Section 16.9 Differing Site Conditions.** The term Differing Site Conditions shall mean subsurface conditions on or adjacent to the Project site which differ materially from those indicated in the geotechnical reports prepared by the Architect/Engineer and its subconsultants. It shall be the responsibility of the Design-Builder to work with the Architect/Engineer during the Preconstruction Phase to review the reports prepared by the Architect/Engineer. The GMP proposal and the GMP Amendment shall identify the geotechnical reports upon which it is based. The term Differing Site Conditions shall also include unknown physical conditions at the site of an unusual nature which differ materially from those ordinarily encountered and generally recognized as inhering to work of the character provided for in this Contract. During the Preconstruction Phase, the Design-Builder shall be required to conduct a thorough review of the Project site and the surrounding area and shall document its findings. In the event the Design-Builder fails to undertake and document such a thorough review, the Design-Builder shall be deemed to have known of those conditions which a thorough review would have detected.

**Section 16.10 Drawings.** The Drawings are the graphic and pictorial portions of the Contract Documents, wherever located and wherever issued, showing the design, locations and dimensions of the Work, generally including plans, elevations, sections, details, schedules and diagrams.

**Section 16.11 Final Completion.** The point at which Substantial Completion has been achieved, all punch list items noted at Substantial Completion have been completed and all documents the Design-Builder is required to deliver to the Department as a condition to receiving final payment have been received by the Department.

**Section 16.12 Final Completion Date.** Thirty (30) days after the Substantial Completion Date. The Final Completion Date may be modified only by Change Order or Change Directive in accordance with the Agreement.

**Section 16.13 Fully Complete.** To undertake all of the Work necessary to fully construct and complete the Project and execute all tasks necessary to obtain the final Certificate of Occupancy for the Project from the District of Columbia; submit final lien releases from the Design-Builder and Subcontractors and material suppliers; complete all punch list items to the Department's approval and sign-off; and cause all representations, warranties and guarantees to be honored and otherwise fulfill all of the requirements set forth in the Contract.

**Section 16.14 Guaranteed Maximum Price or GMP.** The maximum amount, including, but not limited to, the Preconstruction Fee, the Design-Build Fee and the Cost of the Work, that will be paid the Design-Builder to Fully Complete the Project. The GMP may be modified only by Change Order or Change Directive in accordance with the Agreement. The GMP shall be established by an amendment to this Agreement.

**Section 16.15 Hazardous Material.** Any toxic substance or hazardous chemical defined or regulated pursuant to federal, state or local laws relating to pollution, treatment, storage or disposal of waste, or protection of human health or the environment. Such laws include, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act, the Clean Water Act, the Clean Air Act and laws relating to emission, spills, leaks, discharges, releases or threatened releases of toxic material. The term Hazardous Materials shall also include petroleum and petroleum bi-products

**Section 16.16 Hazardous Materials Remediation Costs.** The direct Costs (excluding, however, the Cost of General Conditions) incurred by the Design-Builder in connection with the removal, remediation, passivation or encapsulation of Hazardous Materials.

**Section 16.17 Notice to Proceed.** A written notice to proceed, signed by the Department, directing the Design-Builder to proceed with the Project or any portion of the Project.

**Section 16.18 Project Schedule.** The schedule for the project agreed to by the Department and the Design-Builder as part execution of this Agreement. Such schedule shall not be changed except by a Change Order or Change Directive issued by the Department. The schedule shall be in a form and contain such detail as may be agreed upon by the Parties.

**Section 16.19 Self-Performed Work.** Trade work performed by employees of (1) the Design-Builder; (2) any entity that is a partner or member of the entity comprising the Design-Builder; (3) any entity that controls, is controlled by, or is under common control with the Design-Builder; or (4) any entity that controls, is controlled by, or is under common control with any entity that is part of the Design-Builder. Self-Performed Work is distinguished from trade work performed by Subcontractors unaffiliated with the Design-Builder or the entities of which the Design-Builder is comprised.

**Section 16.20 Specifications.** The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the Work, and performance of related services.

**Section 16.21 Subcontractor.** Any person, natural or legal, to whom the Design-Builder delegates performance of any portion of the Work required by the Contract. The term "Subcontractor," used without a qualifier, shall mean a subcontractor in direct privity with the Design-Builder. "Subcontractors at all tiers" shall mean not only those Subcontractors in direct privity with the Design-Builder, but also those performing Work pursuant to sub-subcontracts, sub-sub-subcontracts, and so on. "Subcontractors" shall include both those who are retained to

perform labor only and those who are retained both to perform labor and to supply material or equipment. "Subcontractors" shall also include design professionals who are not the Design-Builder's employees and to whom the Design-Builder delegates any part of its responsibilities under the Contract, except that references to "trade Subcontractors" shall exclude design professionals.

**Section 16.22 Substantial Completion.** Substantial Completion shall mean that all of the following have occurred: (1) the construction and installation work have been completed with only minor punch list items remaining to be completed; (2) a permanent certificate of occupancy and all other required permits or approvals have been obtained; (3) draft copies of all operating and maintenance manuals, training videotapes and warranties required by the Contract have been delivered to the Department; (4) any supplemental training session required by the Contract for operating or maintenance personnel have been scheduled; (5) all clean-up required by the Contract has been completed; and (6) the Project is ready for the Department to use it for its intended purpose. "Minor punch list items" are defined for this purpose as items that, in the aggregate, can be completed within thirty (30) days without interfering with the Department's normal use of the Project.

**Section 16.23 Substantial Completion Date.** The date established herein by which the Design-Builder shall achieve Substantial Completion. The Substantial Completion Date may be modified only by Change Order or Change Directive in accordance with the Agreement.

**Section 17 RFP and Proposal.** Reference is made to the Request for Proposals issued by the Department and the proposal submitted by the Design-Builder in response thereto. Copies of the cover pages of those documents are attached as **Exhibit K**. Those documents are subordinate to the terms of this Agreement. To the extent that either of those documents is inconsistent with the terms of the Agreement, the terms of the Agreement shall prevail.

**IN WITNESS WHEREOF**, the Parties have executed this Agreement as of the date first written above.

**DEPARTMENT OF GENERAL SERVICES**, an agency within the executive branch of the Government of the District of Columbia

**[CONTRACTOR]**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Its: \_\_\_\_\_  
Date: \_\_\_\_\_

**Exhibit A**

*Form of GMP Amendment*

**EXHIBIT A**  
**FORM OF GMP AMENDMENT**

**GUARANTEED MAXIMUM PRICE AMENDMENT**  
**DESIGN-BUILD AGREEMENT**  
**WATKINS ELEMENTARY SCHOOL**

**CONTRACT NUMBER: DCAM-16-CS-0032**

**THIS GUARANTEED MAXIMUM PRICE AMENDMENT** (“Amendment”) is entered into by and between the **DISTRICT OF COLUMBIA GOVERNMENT**, acting by and through its **DEPARTMENT OF GENERAL SERVICES** (the “Department”) and **[NAME OF DESIGN-BUILDER]**, (the “Design-Builder”) pursuant to the Agreement, dated [DATE], between the District of Columbia government, by and through the Department and the Design-Builder, for the modernization of Watkins Elementary School and to establish a Guaranteed Maximum Price and Contract Time for the Work as set forth below.

**ARTICLE I**  
**GUARANTEED MAXIMUM PRICE**

**Section 1.1 Guaranteed Maximum Price.** Subject to additions and deductions which may be made only in accordance with the Agreement, the Design-Builder represents, warrants and guarantees to the Department that the total maximum cost to be paid by the Department for Design-Builder’s complete performance under the Agreement, including, but not limited to, Final Completion of all Work, all services of Design-Builder under the Agreement, and all fees, compensation and reimbursements to Design-Builder, shall not exceed the total amount of [INSERT AMOUNT] Dollars (\$[INSERT AMOUNT]) ("*Guaranteed Maximum Price*"). Costs which would cause the Guaranteed Maximum Price (as may be adjusted pursuant to the Contract Documents) to be exceeded shall be paid by the Design-Builder without reimbursement by the Department.

**Section 1.2 Guaranteed Maximum Price Components.** The Guaranteed Maximum Price is comprised of the maximum amount payable by the Department for:

- 1.2.1** the Cost of the Work for full and complete performance of the Work in strict accordance with the Contract Documents;
- 1.2.2** a Pre-Construction Fee for the Design-Builder, as defined in the Agreement, in the amount of [INSERT AMOUNT];
- 1.2.3** a Design-Build Fee for the Design-Builder, as defined in the Agreement, in the amount of [INSERT AMOUNT];
- 1.2.4** a Maximum Cost of General Conditions, as defined in the Agreement, in the amount of [INSERT AMOUNT];

**1.2.5** Allowance for incentive payments set forth in Section 11.2.3 of the Agreement, in the amount of [INSERT AMOUNT];

**1.2.6** The Guaranteed Maximum Price is further broken down into line items and categories on Exhibits \_\_\_\_ attached hereto.

**Section 1.3 Basis for the GMP.** The GMP is for the performance of the Work in accordance with the Contract Documents listed and attached to this Amendment and marked Exhibits \_\_\_\_ through \_\_\_\_, as follows:

**1.3.1** Exhibit \_\_\_\_: List of Drawings, Specifications, addenda and General, Supplementary and other Conditions of the Contract on which the Guaranteed Maximum Price is based.

**1.3.2** Exhibit \_\_\_\_: A list of Unit Prices and Allowance items as well as a statement of their basis.

**1.3.3** Exhibit \_\_\_\_: Assumptions and Clarifications made in preparing the Guaranteed Maximum Price, noting in particular any exclusions. The Assumptions and Clarifications shall take precedence over the Drawings and Specifications, but shall be subordinate to the Agreement and the terms of this Amendment.

**1.3.4** Exhibit \_\_\_\_: The proposed Guaranteed Maximum Price, including a statement of the detailed cost estimate organized by trade categories, allowances, Contingency, and other items and the fee that comprise the Guaranteed Maximum Price.

**1.3.5** Exhibit \_\_\_\_: A Construction Phase Schedule which shall include, but not be limited to, the Substantial and Final Completion Dates, upon which the proposed Guaranteed Maximum Price is based, and a schedule of the Construction Documents issuance dates upon which the Substantial and Final Completion Dates are based (the "Project Schedule").

**1.3.6** Exhibit \_\_\_\_: An LSDBE Utilization Plan setting forth the names and estimated dollar volume of the work that will be performed by small, local and disadvantaged business enterprises, as certified by the Department of Small and Local Business Development, upon which the GMP is based.

**1.3.7** Exhibit \_\_\_\_: A Workforce Utilization Plan setting forth, by subcontractor, the percentage participation of District residents in performing the labor necessary for the Project upon which the proposed Guaranteed Maximum Price is based.

**Section 1.4 Incomplete Drawings and Specifications.** Design-Builder and the Department acknowledge that the Drawings and Specifications are not complete and, as of the date hereof, that such Drawings and Specifications have reached the level of approximately \_\_% complete design development documents. The Design-Builder, however, has been actively

involved in the design process and hereby represents that it has a sufficient understanding of the Project to agree to a Guaranteed Maximum Price to Fully Complete the Project. The Design-Builder hereby acknowledges that the GMP Drawings and Specifications provides sufficient detail and information to provide a firm Guaranteed Maximum Price and that the Guaranteed Maximum Price proposed therein is intended to represent the Design-Builder's offer to Fully Complete the Project. The Design-Builder and the Department agree to work together to complete the Drawings and Specifications as provided in this Agreement, consistent with the Guaranteed Maximum Price premises and assumptions and Project Schedule.

**Section 1.5 Design Intent; Inferable Work.** Design-Builder agrees that the Guaranteed Maximum Price is based on the current state of the design, which represents approximately [ ] percent complete design development documents. The GMP Drawings and Specifications include various clarifications and assumptions that are intended to further define the scope of Work that will be required to complete design. The Design-Builder has included within the Guaranteed Maximum Price sufficient amounts to cover aspects of the Work that are not shown on the GMP Drawings and Specifications. If the Department does not approve any such scope increase, the Design-Builder shall cause the Architect to develop a design that is consistent with the original design intent and shall complete the Work for an amount that does not exceed the GMP.

**Section 1.6 Cost Overruns.** Subject to additions or deductions which may be made in accordance with the Contract, the Design-Builder shall be solely liable and responsible for and shall pay any and all costs, fees and other expenditures in excess of the Guaranteed Maximum Price for and/or relating to the Work, without entitlement to reimbursement from the Department. Design-Builder shall not be entitled to any fee, payment, compensation or reimbursement under this Agreement or relating to the Work or Project other than as expressly provided in the Agreement.

**Section 1.7 Allowances.** The Guaranteed Maximum Price includes specific "Unit Price Allowance Amounts" for certain items as shown on the Schedule of Values and budgeted in the Guaranteed Maximum Price ("*Allowance Items*"). The only Allowance Items shall be those specifically identified as such in the Schedule of Values and in the Guaranteed Maximum Price. The Allowance Amounts represent all Costs of the Work of the Allowance Items, including, without limitation, costs of materials, labor, handling, transportation, loading and unloading and installation, as determined by Design-Builder.

## **ARTICLE 2** **INTENT, INTERPRETATION AND CORRELATION**

**Section 2.1 Intent of the Contract.** The intent of the Contract is for the Design-Builder to perform and supply, and the Department hereby engages Design-Builder to and Design-Builder hereby agrees to perform and supply, the Work, including all necessary design services, scheduling, procurement, supervision, construction, and construction management services and supply all necessary labor, materials, equipment and related work and services necessary to fully complete the Work and obtain the intended results of the Contract Documents, including, but not limited to the requirements of the Project Schedule and the Guaranteed



Maximum Price requirements set forth in Article 1 above. The enumeration of particular items in the Specifications and/or Drawings shall not be construed to exclude other items. The Contract Documents are complementary, and what is required by any one of the Contract Documents (including either a Drawing or Specification) as being necessary to produce the intended results shall be binding and required as a part of the Work as if required by all Contract Documents.

**Section 2.2 Design-Builder's Compliance with Contract Documents.** Design-Builder agrees, accepts and assumes that the Department's decision will require implementation of the most stringent requirements among any conflicting provisions of the Contract Documents as being part of the Work. The Design-Builder agrees to be bound by all decisions by the Department to implement the most stringent of any conflicting requirements within the Contract Documents. Any failure by Design-Builder to seek such clarifications shall in no way limit the Department's ability to require implementation, including replacement of installed Work at a later date at Design-Builder's sole expense, to achieve compliance with the more stringent requirements. Without limiting the generality of the foregoing, the Design-Builder hereby agrees as follows:

- 2.2.1** The failure of the Department to insist in any one or more instances upon a strict compliance with any provision of this Contract, or to exercise any option herein conferred, shall not be construed as a waiver or relinquishment of the Department's right thereafter to require compliance with such provision of this Contract, or as being a waiver of the Department's right thereafter to exercise such option, and such provision or option will remain in full force and effect.
- 2.2.2** If there is any inconsistency in the Drawings or any conflict between the Drawings and Specifications, Design-Builder shall provide the better quality or greater quantity of Work or materials, as applicable, unless the Department directs otherwise in writing.
- 2.2.3** Design-Builder shall be responsible for dividing the Work among the appropriate Subcontractors and Vendors. No claim will be entertained by the Department based upon the organization or arrangement of the Specifications and/or the Drawings into areas, sections, subsections or trade disciplines.
- 2.2.4** Detail drawings shall take precedence over scale drawings, and figured dimensions on the Drawings shall govern the setting out of the Work.
- 2.2.5** Unless the Specifications expressly state otherwise, references to documents and standards of professional organizations shall mean the latest editions published prior to the Effective Date.
- 2.2.6** Technical words, abbreviations and acronyms in the Contract Documents shall be used and interpreted in accordance with customary usage in the construction industry.
- 2.2.7** Whenever consent, permission or approval is required from any party pursuant to

the provisions of the Contract Documents, such consent, permission or approval shall, unless expressly provided otherwise in this Agreement, be given or obtained, as applicable, in writing.

### **ARTICLE 3**

#### **ASSIGNMENT OF DESIGN CONTRACT**

**Section 1.8     Assignment of Design Contract.** The Design Contract is hereby assigned to the Design-Builder. Such assignment shall be effective as of the date this Amendment becomes effective and without need for any further documentation affecting such transfer. From the point such assignment of the Design Contract is effective, the Design-Builder shall manage the design and the activities of the Architect/Engineer as contemplated in Section 4.2 of the Agreement.

### **ARTICLE 4**

#### **OTHER PROVISIONS**

**Section 4.1     Design-Builder's Responsibilities.** The Design-Builder also expressly acknowledges that this Project and the Work will proceed on a "fast-track" method of construction, i.e., construction will commence without final Drawings and Specifications in place. More specifically, while Drawings and Specifications are complete for certain portions of Work, the design process will continue for other portions during construction based on the Guaranteed Maximum Price premises and assumptions. The Design-Builder has been, and will continue to be, an active participant in the design process. Given such participation, the Design-Builder represents that it is familiar with the scope and quality of those aspects of the Project that have not yet been fully designed, and has taken such scope and quality matters into consideration in preparing each component of the Guaranteed Maximum Price. The Design-Builder agrees to work with the Department in managing the construction and design work to complete the design process. The Design-Builder shall manage the Project, including coordinating redesign or value engineering necessary or advisable for certain aspects of the Project at any stage of the design process in order to bring the cost of such Work within or below, but not in excess of, the respective allowances or the budgeted or allocated amounts for other items contained in the Guaranteed Maximum Price. Once the Drawings and Specifications are complete, it is recognized by the Design-Builder and the Department that the scope of the Guaranteed Maximum Price may include Work not expressly indicated on the Contract Documents, but which is reasonably inferable from the Contract Documents, and such Work shall be performed without any increase in the Guaranteed Maximum Price or extension of Contract Time, except if and to the extent otherwise expressly provided in this Agreement.

### **ARTICLE 5**

#### **MISCELLANEOUS PROVISIONS**

**Section 5.1     Prior Agreement Unaffected.** Except as expressly agreed to herein, all of the terms, conditions, representations and warranties set forth in the Agreement shall remain unaffected and in full force and affect.

**Section 5.2 Integrated Agreement.** This Amendment and any attachment hereto set forth the entire agreement and understanding of the parties regarding the transactions contemplated hereby and supersede all prior oral and written agreements, arrangements and understandings relating to the subject matter hereof. There are no oral or written agreements or understandings, representations or warranties among the parties other than those set forth herein.

**Section 5.3 Counterparts.** This Amendment may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which shall be considered one and the same instrument.

**Section 5.4 Construction.** This Agreement shall be construed fairly as to all parties and not in favor of or against any party, regardless of which party prepared the Agreement.

**IN WITNESS WHEREOF,** each of the parties to this Amendment has caused it to be executed by its duly authorized representative on the date set forth above.

**DISTRICT OF COLUMBIA GOVERNMENT,  
by and through its DEPARTMENT OF  
GENERAL SERVICES**

**By:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Title:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**[NAME OF DESIGN-BUILDER]**

**By:** \_\_\_\_\_  
**Name:** \_\_\_\_\_  
**Its:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**Exhibit B**

*Schematic Design*

**Exhibit C**

*Preliminary Schedule*

**Exhibit D**

*General Conditions Rates*

**Exhibit E**

*Key Personnel*

**Exhibit F**

*Department's Designated Representatives*

*For All Matters:*

Christopher Weaver  
Acting Director & Chief Contracting Officer  
District of Columbia Department of General Services  
2000 14<sup>th</sup> Street, NW  
Washington, DC 20009

*For Matters with value up to \$100,000 the following individuals  
shall also have authority to act on behalf of the Department:*

James H. Marshall  
Supervisory Contract Specialist & Contracting Officer  
Department of General Services  
Contracts and Procurement Division  
2000 14<sup>th</sup> Street, NW 8<sup>th</sup> Floor  
Washington, DC 20009

Kimberly Gray  
Supervisory Contract Specialist & Contracting Officer  
Department of General Services  
Contracts and Procurement Division  
2000 14<sup>th</sup> Street, NW 8<sup>th</sup> Floor  
Washington, DC 20009



**Exhibit G**

*Design-Builder's Designated Representative*

**Exhibit H**

*Form of Lien Waivers*

**Exhibit I**

*Preliminary LSDBE Utilization Plan*

**Exhibit J**

*Davis Bacon Wage Determinations*